

On September 4, I was on the flats at Cold Spring Harbor and noticed that at low water the tide did not fall near as low as it had for several previous days. On September 5, the low tide was at least two feet higher than it should be under ordinary conditions, and I at once came to the conclusion that a cyclone was approaching, as I had noticed before that under these conditions such storms are very certain to make their appearance. On September 6, 7, 8, 9, 10, and 11, there were from three to two feet more water than usual, but during the next two or three days the tide assumed its normal condition. Often during the past fifteen years I have noticed that this abnormal condition is an infallible indication of a storm approaching or passing by. A storm directly from seaward generally affects the flood tide even more than a low water tide, but in the present case the high water was about normal. A long experience gives me great confidence in the barometer as affording valuable prognostication of a storm, but this tidal wave along the coast preceding a cyclone must, as it seems to me, give absolute proof that some kind of storm is in progress; the astonishing thing is that the ocean level is affected by the cyclone at such a great distance, and especially ahead of it. A careful record of the tide would be of great value during six months of the year.

NORMAL ANNUAL SNOWFALL.

The normal annual snowfall, as resulting from ten years of observations at regular stations, will be given in tabular form in the Report of the Chief of the Weather Bureau. These numbers are reproduced graphically, as far as practicable, on the accompanying Chart V. Each figure may be considered as representing the normal total snowfall in inches from July 1 to the succeeding June 30. The variation of any one year from these figures is an important element in the irregularities of climate and, therefore, the corresponding data for the past year, viz., from July 1, 1893, to June 30, 1894, are also shown upon this map immediately below the normal figures.

The study of the distribution of snow and its apparent dependence upon the intrusion of cold dry air into a region of moist warm air must precede any attempt to specify the meteorological and topographical conditions that prevailed during the so-called glacial epoch of geology. During that epoch snow accumulated to great depths (as now in Greenland), but this accumulation must have been due to the preservation of the snow after it had fallen rather than to any remarkably heavy snowfall. Such glaciation was prob-

ably brought about entirely by gradual and great orographic changes in the continents with the consequent changes in the distribution of the oceans, both of which conspire to greatly change the climate.

OBSERVATIONS AT HONOLULU, HAWAIIAN ISLANDS.

As the weather on the Pacific coast depends so largely upon the conditions of the atmosphere to the westward, it is considered important to publish in full and as soon as practicable the data furnished by observers in Alaska, the Hawaiian Islands, and adjacent regions.

Meteorological observations at Honolulu, Republic of Hawaii, July 18 to 31, inclusive, 1894, by Curtis J. Lyons, Meteorologist to the Government Survey.

Date.	Barometer at sea level.			Temperature.			Humidity.		Wind.		Cirruscloud moving from—	Rain measured at 6 a.m.			
	9 a.m.	3 p.m.	9 p.m.	6 a.m.	2 p.m.	9 p.m.	Minimum.	Maximum.	9 a.m.	9 p.m.	Absolute.	Direction.	Force.		
Ins.	Ins.	Ins.	o	o	o	o	83	83	55	70	6.4	ne.	5	.....	Ins.
18..	30-12	30-06	30-14	73	81	75	73	83	55	66	6.0	ne.	4-1	.....	0.04
19..	30-16	30-08	30-15	74	79	75	73	83	54	66	6.0	ne.	5	.....	0.00
20..	30-12	30-08	30-14	72	79	75	71	81	64	73	6.5	nme.	4	.....	0.00
21..	30-13	30-06	30-12	74	79	74	72	81	67	75	6.3	ne.	4	.....	0.03
22..	30-10	29-07	30-11	72	77	74	68	79	74	72	6.9	ene.	2-4	.....	0.10
23..	30-08	30-04	30-10	74	81	75	71	84	64	66	6.4	ne.	5	.....	0.03
24..	30-14	30-09	30-11	72	79	74	68	81	65	65	6.3	ne.	4	.....	0.10
25..	30-15	30-11	30-15	73	80	75	71	83	57	66	6.1	ne.	4	.....	0.00
26..	30-16	30-09	30-14	73	81	75	70	83	62	66	6.4	ne.	4	.....	0.04
27..	30-13	30-06	30-09	72	81	76	71	83	65	66	6.7	nme.	4	.....	0.02
28..	30-10	30-05	30-12	73	81	75	71	83	64	72	6.8	ne.	3	.....	0.02
29..	30-12	30-07	30-12	73	80	76	71	83	62	67	6.6	ne.	3	.....	0.05
30..	30-11	30-04	30-10	71	83	75	68	84	62	68	6.5	ne.	3	.....	0.06
31..	30-09	30-03	30-08	68	81	74	65	85	67	72	6.4	ne.	3	.....	0.01
	30-133	30-076	30-128	73-2	79-7	74-3	70-7	82-3	64-5	70-0	6.5				I-14

Pressure, 30.104, or 0.05 above normal.

Temperature, 75.7°, or 2° below normal.

Rainfall, one-half of the normal.

Relative humidity, 4 per cent lower than normal.

Disturbance periods, as per general rain and surf records, 4th, 12th, 20th, and 28th.

The barometer is corrected for temperature and reduced to sea level, but the gravity correction, -0.06, is still to be applied.

The absolute humidity is expressed in grains of water, per cubic foot, and is the average of four observations daily.

The rain is measured at 6 a.m., daily.

The extremes of the force of the wind are given when it has varied more than usual.

METEOROLOGICAL TABLES.

[Prepared by the Division of Records and Meteorological Data.]

The following pages present in tabular form the climatological data for the current month, on which the text of the preceding part of this REVIEW has, to a large extent, been based.

For a detailed description of the methods of observation, compilation, and computation relating to these tables, the reader is referred to page 129 of the MONTHLY WEATHER REVIEW for March, 1894. The general contents of the tables are as follows:

Table I gives for 140 Weather Bureau stations, making two observations daily, and for 10 others making only one observation, the ordinary climatological data.

Table II gives for about 2,200 stations, occupied by voluntary observers, the mean and extreme temperatures and the total precipitation.

Table III gives climatological data for about 30 Canadian stations.

Table IV a gives for 39 Weather Bureau stations the percentages of sunshine for each hour of local mean time.

Table IV b gives for 43 Weather Bureau stations the total hourly rainfall for each hour of seventy-fifth meridian time.

Table V gives for 81 stations the mean temperatures for each hour of seventy-fifth meridian time.

Table VI gives for 66 stations the mean pressures for each hour of seventy-fifth meridian time.

Table VII gives for 138 stations the mean hourly movement of the wind.

Table VIII gives for 68 stations the resultant movements and directions of the wind from continuous registrations.

Table IX gives for 140 stations the component and resultant directions of the wind based on simultaneous observations at 8 a.m. and 8 p.m., seventy-fifth meridian time.

Table X a gives for 47 voluntary stations the normals and current departures of mean monthly temperatures.

Table X b gives for the same stations the similar data as to precipitation.

Table XI gives for each day of the month the number of thunderstorms (T), and of auroras (A), reported by all the observers of each State.

Table XII gives the principal climatic features of the month as reported by each State weather service.

TABLE I.—Climatological data for Weather Bureau Stations, September, 1894.

Districts and stations.	Elevation above sea-level, feet.		Length of record, years.		Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.				Humidity and precipitation.			Wind.			Mean temperature data since opening of station.					
	Mean pressure, 8 a.m. and 8 p.m. + 2.	Mean reduced.	Departure from normal.	Mean max. and min. + 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean temperature dew-point.	Mean relative humidity, per cent.	Precipitation, in inches.	Total movement, miles.	Prevailing direction.	Miles per hour.	Cloudy days.	Average cloudiness, tenths.	Highest for month.	Lowest for month.
<i>New England.</i>																						
Eastport	76	22	30.02	30.11	+ .08	63.5	2.4	78	5	40	26	26	2.56	— 0.9	10	6,126	s.w.	36	20	14	II	6.5 58.4
Portland	103	23	29.98	30.08	+ .03	63.3	2.8	79	5	40	26	25	2.46	— 2.1	10	4,344	s.e.	28	15	7	10	6.3 54.2
Northfield	872	8	29.19	30.12	+ .03	59.9	2.9	85	4	70	38	35	2.76	— 0.5	9	5,067	s.	36	23	10	9	5.5 60.6
Boston	125	24	29.99	30.12	+ .05	64.8	2.7	85	9	72	25	25	2.99	— 0.2	9	4,344	s.w.	32	30	11	9	5.3 66.7
Nantucket	14	8	30.11	30.12	+ .03	65.0	2.9	77	22	70	43	58	2.14	— 1.0	8	6,620	s.	42	30	11	9	5.6 65.4
Woods Holl.	17	8	.....	.....	.....	65.5	2.1	77	22	70	48	60	2.24	— 0.3	8	7,264	w.	34	24	11	9	5.2 65.8
Vineyard Haven.	8	.....	.....	.....	.....	67.0	2.6	84	10	73	52	61	3.00	— 1.6	7	8,655	s.w.	34	11	9	9	5.0 68.1
Block Island.	27	15	30.10	30.13	+ .05	65.0	2.3	76	7	70	50	26	2.40	— 0.2	9	10,648	s.w.	60	30	7	16	7.8 65.3
Narragansett Pier.	13	22	29.98	30.10	+ .01	64.5	3.6	72	10	74	43	26	2.56	— 0.9	7	7,120	s.w.	34	14	12	12	5.4 68.3
New Haven.	107	22	29.98	30.10	+ .01	65.6	2.3	82	9	72	43	20	2.56	— 0.8	10	5,350	s.w.	33	19	12	10	8.6 68.3
New London.	45	24	30.09	30.14	+ .06	65.2	2.3	82	9	72	58	28	2.56	— 0.1	10	4,966	s.w.	33	19	12	10	5.0 68.3
<i>Mid. Atlantic States.</i>						70.7	3.8	.....	.....	.....	.....	.....	4.86	— 0.8	.....	.....	.....	.....	.....	.....	.....	.....
Albany	85	21	30.02	30.11	+ .04	66.8	3.9	89	9	76	38	26	4.18	— 0.5	11	4,155	s.	32	23	12	12	6.4 70.9
New York, N. Y.	185	24	29.92	30.11	+ .02	69.3	3.6	93	10	76	40	25	5.31	— 1.0	11	5,847	s.e.	36	20	11	11	5.5 72.2
Harrisburg	377	7	29.71	30.11	.....	68.2	3.8	83	10	76	40	25	5.53	— 0.1	9	4,013	s.	35	10	11	9	5.7 69.4
Philadelphia	117	24	29.99	30.11	+ .01	70.0	2.4	91	10	77	44	26	5.11	— 1.7	8	6,997	s.w.	37	10	10	10	5.9 74.8
Atlantic City	53	21	30.05	30.10	+ .02	69.2	3.0	80	10	74	50	26	5.97	— 0.5	12	8,703	s.w.	46	30	7	7	6.6 72.6
New Brunswick .....	.....	.....	.....	.....	.....	60.1	1.9	91	10	78	43	26	4.39	— 0.4	11	8,800	s.e.	36	27	12	12	6.0 88.8
Baltimore	179	24	29.91	30.10	— .00	70.6	2.4	94	10	78	43	26	6.0	— 1.7	12	4,731	s.e.	36	10	11	7	5.4 76.9
Washington, D. C.	112	24	29.99	30.11	— .00	71.4	4.0	95	10	80	47	26	6.3	— 2.4	9	4,066	s.e.	27	10	14	7	4.7 77.0
Cape Henry	21	24	29.99	30.11	+ .02	75.5	3.1	90	10	83	60	25	4.35	— 0.0	8	.....	.....	.....	.....	7.7 55.8	6.8 68.6	
Lynchburg	685	24	29.39	30.11	+ .02	71.2	2.3	93	8	80	49	26	6.2	— 1.6	10	2,853	s.e.	23	10	10	10	5.5 78.4
Norfolk	57	24	30.00	30.05	+ .03	74.4	3.1	94	9	81	62	26	6.46	— 1.6	9	5,707	s.e.	36	27	12	8	10 4.9 77.5
<i>S. Atlantic States.</i>						75.8	1.9	.....	.....	.....	.....	.....	7.89	— 2.5	.....	.....	.....	.....	.....	.....	.....	.....
Charlotte	773	16	29.26	30.07	+ .02	72.9	2.5	93	10	82	53	26	6.4	— 2.2	13	4,415	s.e.	36	27	15	8	4.4 77.4
Hatteras	11	24	29.05	30.06	— .01	76.2	2.5	75	10	87	62	26	7.73	— 1.9	8	8,128	s.e.	36	27	14	6	5.3 78.7
Kittyhawk	9	19	30.03	30.01	— .01	75.4	2.2	94	10	79	64	21	7.2	— 1.6	8	10,707	s.e.	36	27	17	3	4.1 77.4
Raleigh	385	8	29.67	30.08	— .03	73.0	2.3	93	10	81	55	26	6.5	— 1.3	9	4,139	s.e.	25	11	13	13	6.0 73.0
Southport	34	19	30.03	30.06	— .01	75.5	1.7	93	10	82	62	26	7.0	— 1.4	11	6,669	s.e.	34	27	12	11	4.1 77.8
Wilmington	78	24	29.97	30.05	+ .02	75.9	2.7	94	10	83	63	26	6.34	— 1.5	12	5,610	s.e.	44	27	15	3	4.9 78.8
Charleston	52	24	29.99	30.04	— .01	77.6	2.2	95	10	84	62	26	7.0	— 1.4	12	5,301	s.e.	21	11	9	5	5.4 80.7
Columbia	8	24	29.86	30.09	+ .01	75.4	1.6	96	11	84	53	27	6.9	— 1.8	8	.....	n.w.	20	12	9	5	5.6 80.7
Augusta	209	23	29.94	30.04	— .02	77.2	1.7	97	10	85	59	26	7.0	— 1.6	8	5,686	s.e.	20	17	5	5	5.8 80.0
Savannah	98	24	29.94	30.04	— .02	77.2	1.7	97	10	85	59	27	7.0	— 1.6	8	5,759	s.e.	48	26	9	11	5.3 80.0
Jacksonville	43	23	29.97	30.02	— .01	78.6	0.9	90	10	87	62	27	7.1	— 1.5	8	5,602	s.e.	43	26	7	11	5.0 79.9
<i>Florida Peninsula.</i>						78.9	0.8	.....	.....	.....	.....	.....	15.67	— 8.6	.....	.....	.....	.....	.....	.....	.....	.....
Jupiter	28	7	29.96	29.98	— .01	80.2	0.2	96	20	95	70	24	7.5	— 1.7	17	1,755	s.e.	50	25	11	8	5.7 80.2
Key West	24	24	29.95	29.97	— .02	81.4	— .1	96	21	96	71	26	7.6	— 1.7	18	1,755	s.w.	87	25	9	11	5.8 84.5
Tampa	36	15	29.66	30.00	— .00	79.1	— .2	93	10	87	65	26	7.2	— 1.7	8	4,812	s.e.	43	25	9	11	5.6 80.7
Titusville	44	8	29.66	30.00	— .00	78.8	— .2	91	10	85	65	27	7.3	— 1.5	9	9,101	s.e.	66	25	12	16	2.4 67.9
<i>Eastern Gulf States.</i>						77.2	1.5	.....	.....	.....	.....	.....	3.13	— 1.8	15	9,101	s.e.	25	12	16	2	4.6 79.4
Atlanta	1,131	16	29.52	30.09	— .01	73.4	1.9	88	10	82	56	20	6.3	— 1.8	7	6,179	s.e.	26	15	11	11	4.0 74.9
Pensacola	15	24	29.94	30.09	— .01	73.3	1.3	93	10	82	56	20	6.3	— 1.8	7	6,740	s.e.	40	25	11	11	4.8 88.8
Mobile	57	24	29.97	30.03	— .00	78.2	1.3	91	4	86	61	26	6.9	— 1.7	11	5,100	s.e.	29	25	12	12	4.2 79.3
Montgomery	257	23	29.79	30.06	+ .01	77.4	1.9	92	12	87	59	21	6.7	— 2.3	12	4,600	s.e.	24	25	12	11	3.4 79.0
Meridian	358	24	29.66	30.05	— .01	74.4	— .1	90	3	85	52	30	6.6	— 2.3	7	3,160	s.e.	24	25	12	11	3.3 79.3
Vicksburg	254	24	29.78	30.04	— .01	75.9	0.2	92	3	85	51	26	6.6	— 2.3	7	3,255	s.e.	25	12	11	7	1.7 88.0
New Orleans	54	24	29.50	30.02	— .01	79.9	1.7	90	1	87	66	26	7.3	— 0.9	9	9,024	s.e.	26	21	6	3	2.6 79.7
Port Eads .....	.....	30.01	.....	.....	.....	80.4	4.0	92	17	85	70	29	7.2	— 0.6	13	7,518	s.e.	36	20	6	15	4.1 88.8
<i>Western Gulf States.</i>						76.8	0.9	.....	.....	.....	.....	.....	6.66	— 1.8	13	7,518	s.e.	26	15	11	11	4.0 80.2
Shreveport	249	24	29.75	30.01	— .03	76.3	0.1	95	7	86	54	25	6.7	— 3.6	5	3,592	s.e.	16	24	14	6	1.5 80.2
Fort Smith	492	13	29.52	30.03	— .01	72.2	— 0.2	93	8	82	50	30	6.2	— 3.6	5	3,285	s.e.	30	23	13	9	1.7 77.3
Little Rock	302	16	29.72	30.04	— .02	73.6	1.0	93	8	82	53	26	6.5	— 3.6	5	3,182	s.e.	25	13	9	8	1.7 88.8
Corpus Christi	20	8	29.96	29.98	— .03	79.6	1.1	95	7													

TABLE I.—Climatological data for Weather Bureau Stations, September, 1894—Continued.

Districts and stations.	Elevation above sea-level, feet.	Length of record, years.	Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.				Humidity and precipitation.				Wind.		Mean temperature data since opening of station.																	
			Mean pressure, 8 a. m. and 8 p. m. + 2.	Mean reduced.	Departure from normal.	Mean max. and min. + 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches.	Departure from normal.	Total movement, miles.	Prevailing direction.	Maximum velocity.											
																		Miles per hour.	Direction.	Date	Clear days.											
<i>Up. Miss. Val.—Con.</i>																																
Dubuque.	22	29-37	30.01	-02	66.2	+3.6	95	I	78	33	39	55	47	57	74	2.96	-3.0	10	s.	.....	13	14	15	15	69-3	1891	58.7	1873			
Keokuk.	613	24	29-37	30.01	68.4	+1.8	95	I	78	43	24	59	30	57	74	4.86	-1.2	15	s.	36	6	14	14	8	3-8	1888	62.7	*				
Cairo.	359	24	29-36	30.01	71.5	+1.9	96	I	80	49	25	53	38	58	78	2.69	+0.1	9	s.	36	6	13	13	7	4-1	75-1	1881	66.5	1880			
Springfield, Ill.	644	16	29-37	30.01	67.5	+1.8	92	I	77	41	11	58	30	56	73	2.94	-0.5	12	s.	33	6	14	14	9	4-3	72-1	1881	62.5	1879			
Hannibal.	534	20	29-40	30.02	68.7	+1.6	95	I	78	44	11	59	31	57	74	2.40	.....	13	s.	3	2	13	7	4-3	.....	.....	.....	.....
Saint Louis.	571	24	29-45	30.05	70.5	+1.6	94	I	79	48	25	62	30	59	73	3.11	-0.2	9	s.	40	5	18	18	7	3-5	75-3	1881	64.9	1879			
<i>Missouri Valley.</i>					66.4	+2.4	95	I	79	48	25	62	30	59	73	3.60	+1.1	9	s.	40	5	18	18	7	3-5	75-3	1881	64.9	1879			
<i>Northern Slope.</i>					60.8	+1.7	95	I	82	42	11	57	33	57	75	7.57	-1.4	14	s.	22	s.	15	11	12	7	4-4	.....	.....	.....
Kansas City.	963	7	29-01	30.02	69.1	+1.7	93	I	79	44	30	59	27	58	77	7.14	+2.7	11	s.	29	s.	15	10	14	6	4-4	71-6	1891	63.2	1880		
Springfield, Mo.	1,336	8	28.65	30.04	68.0	+0.3	92	I	77	42	30	59	26	58	77	8.52	+5.0	10	s.	32	s.	3	13	12	5	3-7	72-0	1893	63.4	1880		
Topeka.	.....	8	.....	.....	69.9	+3.6	95	I	82	39	30	58	32	58	77	3.55	+0.9	12	s.	.....	.....	.....	15	11	4	7-1	21-2	1889	63.2	1889
Omaha.	1,123	24	28.81	29.98	67.2	+0.5	92	I	78	38	30	56	30	53	67	2.48	-0.7	8	s.	32	s.	28	15	9	4-2	80-0	1891	60.4	1873			
Valentine.	2,613	10	27.24	29.92	67.2	+2.3	93	I	78	27	30	48	42	56	61	0.36	-1.0	3	s.	36	s.	13	9	17	4	4-8	65-1	1891	58.4	1889		
Sioux City.	1,165	28	27.92	29.94	65.7	+0.5	94	I	78	35	30	53	40	48	61	0.73	.....	40	s.	44	s.	13	11	6	4-0	.....	.....	.....	
Pierre.	1,470	20	28.34	29.88	64.4	+2.2	92	I	79	29	29	51	44	40	50	0.73	-0.3	6	s.	7	s.	12	13	12	5	4-0	68-4	1891	57.2	1881		
Huron.	1,310	14	28.53	29.91	63.4	+1.4	92	I	79	30	30	48	46	43	59	1.16	2.42	+0.8	7	11,051	s.	62	s.	12	10	9	5	4-1	66-0	1891	55.5	1881
<i>Middle Slope.</i>					57.3	+0.8	95	I	79	30	30	48	46	43	59	1.70	+0.5	8	s.	44	w.	9	9	16	5	4-8	61-0	1888	50.2	1884		
Havre.	2,477	15	27.29	29.87	54.8	+0.4	84	I	68	26	29	42	45	45	58	0.72	0.0	4	s.	30	s.	3	7	14	9	5-5	69-4	1888	54.7	1884		
Miles City.	2,374	17	27.41	29.87	55.7	+1.3	93	I	72	33	24	45	45	55	47	1.55	+0.7	4	s.	49	s.	22	18	10	6	4-2	76-0	1892	58.5	1878		
Helena.	4,108	15	25.82	29.99	54.0	+0.4	80	I	64	31	24	44	35	34	53	1.42	+0.2	13	s.	5	s.	1	13	9	10	11	4-9	62-0	1892	49.7	1884	
Rapid City.	3,280	9	26.59	29.91	60.2	+0.5	93	I	73	33	30	47	54	54	60	0.05	-0.1	7	w.	36	w.	3	15	15	7	5-3	64-4	*	58.2	1889		
Cheyenne.	6,705	24	24.04	29.95	56.4	+0.4	85	I	70	32	24	43	38	37	61	1.23	+0.4	7	w.	25	w.	3	15	15	7	4-2	70-4	1892	51.8	1878		
Lander.	5,377	13	24.64	29.98	52.9	+3.9	81	I	68	27	21	36	38	32	54	0.29	-0.2	6	s.	38	s.	30	10	14	5	5-0	59-0	1887	52.9	1884		
North Platte.	2,841	20	27.06	29.96	65.4	+2.2	92	I	73	29	30	49	47	43	57	3.00	+1.6	3	s.	7	s.	34	s.	13	10	10	5	3-6	65-3	1891	59.8	1889
<i>Southern Slope.</i>					66.6	+0.9	95	I	79	46	30	64	58	66	66	1.55	+0.4	3	s.	35	s.	13	20	7	3	1-1	63-8	1892	56.7	1874		
Colorado Springs.	6,068	12	24.06	30.00	57.8	+1.4	82	I	72	28	24	44	45	45	52	0.87	-0.4	3	s.	35	s.	22	18	10	6	4-2	76-0	1892	58.5	1878		
Denver.	5,287	23	27.77	29.94	62.0	+2.6	80	I	76	37	23	44	45	45	55	1.55	+0.7	4	s.	35	s.	2	13	10	6	4-2	39-4	1878	29.2	1884		
Pikes Peak.	.....	18	17.93	29.94	29.2	+4.4	84	I	73	35	29	49	45	45	53	1.94	.....	5	s.	86	s.	13	14	14	6	4-2	39-4	1878	62.6	1889
Pueblo.	4,734	7	25.27	29.94	61.6	+0.9	82	I	78	34	24	45	45	45	54	0.87	-0.5	3	s.	36	s.	26	15	8	2	2-8	68-8	1892	62.6	1889		
Concordia.	1,410	10	28.50	29.96	68.4	+1.5	94	I	78	33	30	57	53	54	69	2.99	+0.4	10	s.	36	s.	28	15	8	2	3-7	70-6	1891	64.0	1889		
Dodge City.	2,390	20	27.37	29.94	68.6	+1.4	96	I	72	35	30	58	51	56	64	2.03	-0.8	4	s.	46	s.	28	20	7	3	3-2	70-4	1893	64.1	1883		
Wichita.	1,366	7	28.54	29.96	70.8	+1.6	92	I	79	40	30	66	55	55	66	9.72	+0.8	12	s.	31	nw.	22	16	8	4	2-4	72-8	1893	64.2	1886		
Oklahoma.	1,239	28	28.71	29.99	74.4	+1.0	87	I	71	85	46	30	64	58	66	1.65	.....	4	s.	30	n.	9	18	7	5	3-5	.....	.....	.....
<i>Middle Plateau.</i>					75.0	+1.7	96	I	85	52	12	66	61	61	64	0.54	-2.3	7	s.	28	n.	10	11	14	5	4-4	79-3	1893	69.8	1889		
Abilene.	1,749	9	28.20	29.98	75.0	+1.7	96	I	85	52	12	66	61	61	64	2.11	+0.4	7	s.	5	s.	9	17	6	7-3	88-8	1893	69.8	1889			
Amarillo.	3,691	26	27.27	29.97	76.8	+0.4	97	I	78	43	30	56	54	54	64	0.48	-0.6	5	s.	54	n.	9	17	6	7-3	88-8	1893	69.8	1889			
<i>Southern Plateau.</i>					73.4	+0.4	95	I	82	43	30	56	54	54	64	0.48	-0.6	5	s.	54	n.	9	17	6	7-3	88-8	1893	69.8	1889			
El Paso.	3,813	17	26.19	29.96	73.5	+0.1	92	I	79	47	11	61	36	43	43	0.40	-0.9	3	s.	41	s.	28	19	10	1	2-6	77-9	1873	69.1	1882		
Santa Fe.	7,051	23	23.34	29.99	59.9	+0.5	82	I	70	36	11	48	31	29	43	0.37	-0.5	4	s.	36	s.	30	21	7	2	2-3	64-8	1892	56.8	1880		
Tucson.	2,390	10	27.44	29.85	77.7	+0.0	100	I	78	42	29	53	41	45	46	0.12	-1.3	1	s.	36	s.	30	19	10	1	2-5	83-2	1879	76.5	1876		
Yuma.	1,411	19	29.05	29.79	83.3	+0.9	109	I	71	59	29	68	41	54	54	1.15	+0.6	1	s.	33	nw.	28	26	3	1	2-9	89-2	1888	80.0	1884		
<i>Middle Plateau.</i>					59.0	+1.2	83	I	74	28	44	43	27	33	60	0.06	-0.1	1	s.	36	s.	20	9	8	4	3-3	66-6	1888	55.8	1883		
Carson City.	4,720	7	25.30	29.98	59.0	+2.6	82	I	73	26	41	45	21	37	60	0.52	+0.2	3	s.	36	nw.	5	15</td									

TABLE II.—*Meteorological record of voluntary and other co-operating observers, September, 1894.*

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean.			Max.	Min.	Mean.	
Alabama.	o	o	o	Ins.	Arkansas—Cont'd.	o	o	o	Ins.
Alco.	90	56	75.4	....	Cassville†.	88	47	69.0	6.58
Ashville*.	89 ^o	56	76.3	....	Clarksville.	....	....	....	4.02
Bermuda†.	89	52	75.6	1.44	Conway*.	90	50	71.3	2.42
Carrollton† ¹ .	84	58	74.7	2.24	Corning†.	93	53	70.6	1.94
Citronelle†.	85	63	76.8	....	Dallas†.	97	48	72.2	4.73
Claiborne Landing†.	....	....	....	....	Dardanelle†.	....	....	....	4.85
Collirene†.	88 ^o	60	78.6	1.85	Fayetteville†.	94	44	70.2	3.94
Cordova†.	....	....	....	....	Forrest†.	92	48	74.1	3.05
Daphne†.	92	52	76.6	4.63	Fulton†.	....	....	1.31	....
Decatur ^b †.	92	49	73.3	2.08	Helena ^a†.	....	....	2.17	....
Demopolis†.	....	....	....	....	Helena ^b †.	100	50	76.8	2.28
Eiba†.	85	50	72.5	1.35	Hot Springs ^a .	100	47	73.4	2.40
Eufaula ^a †.	92	62	78.0	3.04	Hot Springs ^b.	....	....	4.55	....
Eufaula ^c†.	....	....	....	....	Hot Springs (near).	....	....	6.53	....
Evergreen†.	92	54	76.6	1.14	Keesee Ferry†.	97	43	70.1	3.11
Florence ^a†.	....	....	....	Kirby†.	93	40	71.6	3.60	
Florence ^b †.	91	48	71.4	2.78	Lonoke ^a †.	93	50	75.5	1.87
Fort Deposit†.	91	56	76.5	1.97	Luna Landing ^a .	88	55	74.5	2.00
Gadsden†.	89	53	75.4	3.80	Madding ^a†.	....	....	69.4	3.50
Greensboro†.	89	57	75.3	3.46	Malvern†.	98	48	74.4	2.03
Healing Springs†.	93	52	75.0	6.18	Monticello†.	94	52	76.0	2.55
Highland Home†.	88	61	76.6	1.01	Mound Idaho†.	92	45	71.0	5.21
Jasper†.	88	51	72.5	1.50	Mound Nebo†.	91	46	68.2	4.58
Livingston†.	90	55	76.0	2.47	Newport ^a†.	....	....	3.16	....
Lock No. 4.	....	....	....	Newport ^b †.	95	49	74.0	3.12	
Madison Station†.	89	50	73.4	2.02	Newport ^c†.	....	....	4.16	....
Maple Grove†.	95	51	73.8	4.21	Oscoda†.	92	46	73.3	3.03
Marion†.	90	58	76.6	3.71	Ozark†.	97	53	74.4	4.41
Mount Willing†.	89	58	76.0	1.72	Pine Bluff†.	93	56	75.6	5.20
Newbern†.	88	60	76.4	1.61	Pocahontas†.	92	40	71.4	1.73
Newburg†.	91	45	72.9	2.81	Prescott†.	98	51	76.8	4.05
Newton†.	92	50	76.3	2.85	Rison†.	94	48	73.1	5.66
Onionto†.	91	50	73.8	2.04	Rogers†.	....	....	5.92	....
Opelika†.	92	60	77.4	1.47	Russellville†.	97	48	73.1	6.02
Oxanna†.	88	57	73.0	3.41	Stuttgart†.	92	46	73.0	4.88
Pine Apple†.	90	49	73.7	1.43	Texarkana†.	99	52	76.8	1.65
Pushmataha†.	51	....	....	Washington†.	93	54	74.2	3.52	
Rock Mills†.	87	57	74.2	2.66	Winslow†.	84	49	68.4	6.74
Seima†.	....	....	....	California.	....	....	....	....
Starlington*†.	93	63	75.7	1.50	Adin.	87	29	58.8	0.13
Sturdevant†.	....	....	....	Ager.	90	36	65.6	0.00	
Thomasville†.	92	50	75.6	1.74	Angev.	....	....	....	....
Tuscaloosa†.	92	54	75.8	5.19	Anaheim ^a †.	102	43	66.7	1.02
Tuscumbia†.	96	49	75.0	3.14	Antioch ^a †.	97	52	68.3	1.07
Union†.	90 ^o	58 ^o	75.8 ^o	0.75	Bethany ^a †.	97	52	73.6	1.07
Union Springs†.	98	58	75.9	1.52	Bishop Creek ^a †.	94	48	73.0	1.10
Uniontown†.	90	58	77.4	2.01	Boca ^a †.	92	25	52.1	....
Valley Head†.	90	49	73.0	3.38	Borden ^a †.	106	55	78.1	0.80
Wetumpka.	....	....	....	Boulder Creek ^a †.	98	40	64.1	2.62	
Wilsonville†.	....	....	....	Brentwood ^a †.	98	50	69.4	1.75	
Arizona.	....	....	....	Brighton ^a †.	98	53	73.4	0.03	
Ariz. Canal Co. Dam	105	55	82.9	T.	Bryon ^a †.	95	48	71.0	1.03
Benson ^a *.	98	55	83.3	....	Caliente ^a †.	98	50	73.6	0.68
Benson ^b †.	100	40	70.3	1.21	Castroville ^a †.	102	44	70.6	1.00
Bisbee ^a *†.	90	47	69.6	0.39	Cedarville†.	85	33	58.2	0.20
Buckeye†.	106	46	79.9	0.50	Centerville†.	105	53	69.5	1.42
Calabassas†.	95	41	70.0	1.41	Chico ^a †.	106	46	71.3	2.00
Casa Grande ^a †.	103	62	82.2	0.89	Chino ^a †.	100	44	70.9	0.25
Dragoon Summit ^a †.	100	64	80.4	0.67	Cisco ^a †.	75	28	52.2	....
Dudleyville†.	109	38	77.7	1.52	Clemont†.	95	45	69.2	0.62
Eagle Pass ^a †.	40	62.0	60.0	....	Cloverdale ^a †.	100	47	73.7	1.35
Farleys Camp ^a†.	....	....	....	Colfax ^a †.	98	42	69.1	0.00	
Flagstaff†.	80	26	58.4	1.52	Delano ^a †.	95	52	71.0	0.00
Fort Apache.	89	32	63.0	3.32	Dimmitt ^a †.	102	44	70.6	1.00
Fort Bowie†.	91	47	71.8	1.06	Dixie ^a †.	105	53	69.5	0.00
Fort Grant.	95	41	70.5	0.14	Dobson ^a †.	102	44	70.6	0.00
Fort Huachuca.	93	39	69.7	0.15	Douglas ^a †.	102	44	70.6	0.00
Gila Bend ^a *.	107	60	88.2	0.00	Dowd ^a †.	102	44	70.6	0.00
Globe†.	98	49	75.0	0.26	Drennan ^a †.	102	44	70.6	0.00
Holbrook†.	89	31	65.0	1.48	Dunigan ^a †.	104	49	71.1	0.97
Keams Canyon†.	88	25	59.4	0.30	Dunsmuir ^a †.	88	52	75.1	0.22
Lochiel†.	88	45	68.9	0.25	Dowdy ^a †.	102	44	70.6	0.00
Maricopa ^a *.	116	55	85.0	0.35	Dowdy ^b †.	102	44	70.6	0.00
Mount Huachuca†.	98	43	70.2	0.60	Dowell ^a †.	102	44	70.6	0.00
Natural Bridge†.	....	....	....	Drennan ^b †.	102	44	70.6	0.00	
Oracle†.	93	48	73.6	1.11	Dunigan ^b †.	102	44	70.6	0.00
Palomas†.	105	42	79.2	0.07	Dunsmuir ^b †.	88	49	71.1	0.22
Pantano ^a *.	92	60	76.3	0.56	Dunsmuir ^c †.	102	44	70.6	0.00
Peoria†.	101	54	81.0	0.47	Dunsmuir ^d †.	102	44	70.6	0.00
Phoenix ^b †.	100	51	79.0	0.15	Dunsmuir ^e †.	102	44	70.6	0.00
Reymert†.	101	50	83.6	0.45	Dunsmuir ^f †.	102	44	70.6	0.00
Rye†.	100	40	80.4	1.75	Dunsmuir ^g †.	102	44	70.6	0.00
San Carlos.	105	41	75.2	0.09	Dunsmuir ^h †.	102	44	70.6	0.00
San Simon ^a †.	103	63	77.2	0.70	Dunsmuir ⁱ †.	102	44	70.6	0.00
Show Low.	....	....	....	Dunsmuir ^j †.	102	44	70.6	0.00	
Signal†.	102	49	78.2	0.26	Dunsmuir ^k †.	102	44	70.6	0.00
Sulphur Sprg Val†.	....	....	....	Dunsmuir ^l †.	102	44	70.6	0.00	
Texas Hill ^a *	111	61	86.9	0.00	Dunsmuir ^m †.	102	44	70.6	0.00
Tucson ^b *.	100	....	....	Dunsmuir ⁿ †.	102	44	70.6	0.00	
Tucson†.	102	44	79.5	1.0	Dry Creek†.	98	46	69.7	....
Walnut Ranch ^a *†.	88	56	68.0	0.48	Dry Creek†.	99	42	71.1	0.97
Whipple Barracks.	91	28	62.0	0.45	Dunigan ^a †.	104	52	75.1	0.22
Wilcox ^a *.	85	47	60.3	0.27	Dunsmuir ^a †.	88	40	63.0	0.22
Yuma ^a †.	107	60	84.7	0.12	Dunsmuir ^b †.	102	44	70.6	0.00
Arkansas.	....	....	....	Dunsmuir ^c †.	102	44	70.6	0.00	
Arkadelphia†.	....	....	....	Dunsmuir ^d †.	102	44	70.6	0.00	
Bee Branch†.	94	45	73.0	2.20	Dunsmuir ^e †.	102	44	70.6	0.00
Blanchard Springs†.	94	44	74.2	0.40	Dunsmuir ^f †.	102	44	70.6	0.00
Brinkley†.	98	47	75.2	1.37	Dunsmuir ^g †.	102	44	70.6	0.00
Camden ^a†.	....	....	....	Dunsmuir ^h †.	102	44	70.6	0.00	
Camden ^b †.	97	46	74.4	1.30	Dunsmuir ⁱ †.	102	44	70.6	0.00

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean.			Max.	Min.	Mean.			Max.	Min.	Mean.	
Arkansas—Cont'd.	o	o	o	Ins.	California—Cont'd.	o	o	o	Ins.	California—Cont'd.	o	o	o	Ins.
Evergreen.	....	....	....	....	Exeter ^a †.	99	52	76.7	0.33	Exeter ^b †.	101	48	66.5	0.64
Clarksville.	88	47	69.0	6.58	Fall Brook ^a †.	101	48	66.5	0.38	Clarksville.	92	42	64.5	1.35
Conway ^a †.	90	50	71.3	2.42	Farmington ^a †.	102	50	68.2	0.75	Conway ^b †.	100	48	64.5	0.28
Corning†.	93	53	70.6	1.94	Felton ^a †.	100	46	68.0	3.10	Orangevale†.	96	44	62.6	0.59
Dallas†.	97	48	72.2	4.73	Fernando ^a †.	100	45	69.1	0.00	Orland ^a †.	103	53	75.9	0.80
Dardanelle†.	92	50	72.0	4.85	Florina ^a †.	100	48	73.0	0.80	Ormonde†.	104	54	76.8	0.86
Fayetteville†.	94	44	70.2	3.94	Folsom City ^a †.	102	55	77.9	0.71	Oroville ^a				

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
California—Cont'd.	o	o	o	Ins.
Tehachapi ^a * ^b	88	58	70.6	....
Tehama ^a	97	57	75.4	....
Templeton ^a	102	45	63.0	0.90
Towles ^a	86	39	62.3	1.20
Tracy ^a	96	58	72.9	1.28
Traver ^b	100	65	75.5	0.50
Trinidad L. H.			1.05	
Tropic ^a	100	52	68.7	0.97
Truckee ^a	80	32	58.3	0.13
Tulare ^a * ^b	101	52	72.8	0.35
Tulare ^b			0.50	
Tulare ^c	108	42	72.0	0.42
Tunnel No. 2....			0.32	
Turlock ^a * ^b	100	50	78.9	....
Turlock b ^c	102	38	70.6	0.89
Ukian ^c	96	40	65.8	0.77
Upper Lake....	103	38	68.8	0.53
Upper Mattole ^a	99	51	66.8	2.75
Vacaville ^a * ^b	102	52	73.3	1.13
Vacaville ^b	115	53	67.7	....
Valley Springs ^a	96	46	74.9	1.00
Ventura ^c	92	47	64.2	0.95
Vina ^a	103	50	79.3	1.05
Volcano Springs ^a	116	53	88.2	....
Walnut Creek....	103	45	70.6	1.50
Wenrich Ranch....			0.40	
West Butte....			0.94	
Westley ^a	99	53	77.7	0.80
Wheatland....	102	44	72.6	0.47
Whittier ^a	108	57	73.5	T.
Williams ^a	101	48	71.2	1.18
Willows ^a	100	53	75.6	0.75
Wilmington ^a	95	52	71.6	....
Winters ^a	100	52	75.3	0.85
Wire Bridge ^a	96	44	71.2	0.74
Woodland ^a	100	50	70.7	0.82
Yerba Buena L. H....			1.10	
Yreka ^a	92	32	60.8	0.01
Yuba City ^a	93	58	75.6	0.80

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
Colorado—Cont'd.	o	o	o	Ins.
Twin Lakes....			o	o
Vernon ^c	97	34	69.0	0.24
Vilas....			3.25	
Wallett ^c			0.06	
Ward District....			2.85	
Yuma....			2.85	
Connecticut.				
Bridgeport ^a	85 ^d	46	65.8	5.86
Canton....	90	37	66.6	5.01
Colchester....	88	33	64.0	3.01
Falls Village....			4.44	
Greenfield Hill....			4.68	
Rome ^c			4.68	
Hartford b....			5.82	
Hartford c....	88	40	65.8	....
Lake Kononoc....			2.09	
Middleton....	89	30	66.4	3.55
New Hartford ^a * ^b	89	43	63.6	4.54
New Hartford b....			4.54	
N. Grosvenor Dale....	88	34	62.3	1.26
Norwalk....	87	40	64.8	5.52
Southington ^a	87	39	64.2	5.60
South Manchester....			2.37	
Storrs....	86	39	63.5	3.01
Thompson ^a	84	40	63.1	....
Voluntown ^c	89	37	64.7	2.30
Wallingford ^c			4.88	
Waterbury....	86	39	65.6	5.35
West Simsbury....			5.71	
Delaware.				
Dover ^c	89	48	69.7	4.61
Millsboro....	93	50	70.7	....
Newark....	90	42	68.2	8.89
Seaford ^c	94	48	70.4	5.54
Wilmington ^a	93	45	71.2	4.78
District of Columbia.				
Distr'g Reserv'r ^a	90	48	71.3	1.09
Rec'g Reserv'r ^a	91	47	71.0	1.72
West Washington....	96	44	71.6	....
Florida.				
Amelia ^c	91	60	78.2	15.38
Avon Park ^c	95	65	80.4	11.16
Brooksville ^c	90	64	77.5	15.87
Clermont ^c	94	63	79.2	19.78
Eustis ^c	94	64	79.3	13.49
Federal Point ^c	92	62	77.2	19.19
Fort Meade ^c	90	64	78.4	14.55
Gainesville ^c	95	59	78.0	19.91
Grasmere ^c	91	62	78.7	15.71
Green Cove Sp'gs ^c	90	59	76.0	14.68
Homeland ^c	91	64	77.0	16.64
Hypoluxo ^c	92	75	81.2	17.75
Kissimmee ^c	100	64	80.4	16.97
Lake City ^c	93	61	78.6	6.70
Manatee ^c	94	63	78.2	7.60
Merritts Island ^c	92	72	79.6	15.77
Moseley Hall ^c	92	64	78.2	4.21
Mullet Key ^c	90	68	80.2	6.69
Myers ^c	91	69	79.2	9.89
New Smyrna ^c	90	62	77.8	15.07
Oak Hill ^a	92	68	81.8	....
Ocala ^a * ^b	91	60	76.3	14.42
Orange City ^c	96	62	79.7	11.60
Orange Park....	97	59	77.7	17.02
Orlando ^c	95	65	80.4	....
Plant City ^c	96	64	79.6	18.43
St. Francis B'sks....	91	62	78.2	18.13
Tarpon Springs ^c	90	66	78.2	11.35
Georgia.				
Adairsville ^c	89	49	73.8	1.29
Alapaha ^c	94	58	77.0	7.41
Albany ^c	93	55	77.8	....
Americus ^c	98	58	77.6	2.06
Athens a....	88	50	72.6	5.77
Athens b ^c	92	54	74.6	6.25
Bainbridge a ^c	93	59	77.2	2.67
Bainbridge b ^c			2.52	
Blakely ^c	93	60	76.6	1.74
Brag ^c	101	55	77.6	9.62
Camak ^c	91	57	74.4	3.15
Canton ^c			5.67	
Clayton ^c	85	46	69.8	1.98
Columbus ^c	94	59	77.6	1.77
Cordelle ^c	92	58	76.4	3.64
Covington....	90	55	73.8	2.45
Dahlonega ^c	86	59	70.8	3.75
Darien ^c	98	60	78.9	11.65
Diamond ^c			2.32	
Dublin a ^c	95 ^e	58 ^f	77.0 ^f	2.62
Dublin b ^c			2.66	
Eastman ^c	96	58	77.4	4.74
Elberton ^c	92	56	74.4	2.73
Fleming ^c	95	64	74.4	1.40
Forrest Gains ^c	90	58	76.2	2.71
Gainesville ^c	86	51	70.4	2.79
Gillaville ^c	90	58	72.2	2.39
Griffin ^c	84	54	70.8	2.75
Hawkinsville ^c	92	55	74.2	3.02
Hephzibah ^c	92	55	74.2	3.02
Lafayette ^c	88	50	72.4	3.44
Lagrange ^c	90	55	74.7	1.40
Lawton ^c	98	56	76.6	3.67
Lowell ^c	92	57	74.6	2.62
McGinnis ^c	90	54	73.8	2.67
Olney b ^c	93	42	70.5	2.42
Osweego ^c	94	32	63.4	7.35
Ottawa ^c	97	30	67.1	3.28
Palestine ^c	91	39	69.2	2.94
Parist ^c	93	37	67.9	3.78
Peoria ^c	95	42	68.6	4.03
Philo ^c	94	33	66.2	5.02
Bantoul ^c	94	36	67.2	5.21
Riley ^c	94	37	64.1	15.73
Rushville....	94	42	65.6	8.32
St. John ^a	92	50	68.4	2.66
South Chicago ^a	92	43	68.4	....
Sycamore ^c	90	34	63.0	7.88
Tuscumbia ^c	96	43	68.3	7.24
Walnut ^c	96	38	68.6	5.89
Warsaw ^c	96	38	68.6	1.60
Winnebago ^c	93	31	64.6	5.15
Zion ^c	92	34	65.3	6.49
Indiana.				
Angola ^c	98	36	67.2	5.18
Ashboro ^c	94	37	69.2	2.34
Bedford ^c	95	41	70.3	1.85
Butlerville ^c	97	33	70.4	1.29
Cambridge City ^c	91	30	64.4	3.99
Columbia City ^c	91	34	65.0	2.80
Columbus ^c	95	42	71.2	2.80

Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean	
Georgia—Cont'd.	o	o	o	Ins.
Millen ^c	98	57	77.4	4.71
Monticello ^c	86	60	74.6	2.80
Morgan T....	95	58	78.0	4.07
Newnan ^c	88	57	74.2	2.62
Piscola ^c			2.15	
Point Peter ^c	92	56	73.8	5.90
Poulson ^c	95	56	76.6	2.93
Quitman ^c	90	59	76.2	2.76
Rainey ^c	90	48	73.6	1.16
Resaca ^c			1.20	
Reynolds ^c			2.76	
Rome ^c	88	51	74.4	2.77
Talbotton ^c	88	53	74.4	3.28
Thomasville ^c	94	59	78.2	4.44
Toccoa ^c	88	53	72.4	2.52
Union Point ^c	88	57	73.6	3.28
Washington ^c	91	58	74.0	3.30
Waynesboro ^c	91	57	75.4	6.30
West Point ^c	91	56	74.7	3.02
Whitesboro ^c			4.29	
Idaho.				
American Falls ^c	84	22	56.4	0.89
Atlanta ^c	75	23	50.2	0.96
Boise Barracks ^c	86	31	59.2	0.40
Chesterfield ^c	83	15	50.4	1.00
Fort Sherman ^c	87	30	56.4	2.30
Fraser ^c	83	34	54.2	0.40
Garden Valley ^c	81	27	53.5	0.40
Grangeville ^c	83	33	54.1	3.39
Hailey ^c	83	21	53.3	....
Kootenai ^c	80	29	51.5	0.84
Lake ^c	66	27	45.6	0.72
Lewiston ^c	92	35	60.7	1.03
Martin ^c	76	22	51.3	0.10
Moscow ^c	85	32	53.8	0.99
Nampa ^c	90	32	59.3	0.41
Oakley ^c	86	30	56.6	0.94
Payette ^c	83	22	54.3	2.12
Subaria ^c	93	30	59.2	0.31
Paris ^c	83	20	51.7	2.01
Swan Valley ^c	82	20	51.7	0.01
Illinois.				
Albion ^c	92	42	69.6	2.14
Aurora ^c	95	35		

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Iowa—Cont'd.	o	o	o	In.	Kentucky—Cont'd.	o	o	o	In.
Richland* ¹	99	42	64.7	6.16	Greendale* ¹	92	45	71.2	2.14
Rock Rapids	90	25	64.9	1.57	Greensburg* ¹	91	39	69.8	2.64
Rockwell City					Harrodsburg ¹	93	39	71.0	2.12
Sac City ¹	91	35	63.6	2.25	Henderson ¹	94	47	73.1	3.33
Seymour ¹	97	38	68.5	5.93	Louis ¹				2.22
Sibley	93	28	62.6	2.57	Marrowbone ¹	95	37	70.3	2.46
Spirit Lake ¹	96	31	65.2	1.39	Matlock ¹	92	56	74.6	3.62
Sutherland	94	32	63.8	2.20	Middleboro ¹	90	44	67.7	2.04
Toledo* ¹	94	34	68.8	2.61	Mount Sterling ¹	90	42	68.6	1.47
Villisca ¹	92	34	65.6	2.64	Munfordville ¹	89	43	73.4	2.55
Vinton* ¹	94	35	63.4	3.46	Paducah ¹	95	47	74.1	2.87
Washington ¹	96	38	66.2	6.15	Pettibone ¹	98	39	73.0	1.02
Webster City* ¹	96	35	63.7	2.15	Russellville ¹	95	42	74.6	3.62
Williams* ¹	94	40	62.2	2.66	Sandy Hook ¹	94	37	69.0	1.64
Winterset ¹	96	35	66.3	5.72	Shelby City* ¹	90	45	70.2	2.12
Kansas:					Shelbyville ¹	98	37	72.4	1.90
Abilene ¹	96	34	70.0	3.10	South Fork ¹				3.07
Achilles* ¹	97 ^a	41 ^b	66.6 ^c	2.25	Springfield ¹	97	41	71.1	4.62
Allison* ¹	94	34	63.2	1.51	Williamsburg ¹				1.57
Altoona* ¹	91	40	72.4	5.03	Louisiana:				
Atchison ¹	95	38	68.5	5.89	Abbeville	94	55	78.2	3.10
Beloit ¹	98	32	68.0	2.05	Alexandria ¹	96	48	75.0	3.24
Blaine* ¹	98	40	64.2	2.93	Amitie ¹	92	51	77.7	4.96
Burlington ¹	98	43	70.6	5.13	Bastrop ¹	92	48	74.3	0.79
Coffeyville* ¹	99	46	73.5	5.37	Baton Rouge ¹	94	54	78.5	4.56
Colby ¹	93	33	65.2	1.51	Calhoun ¹	92	45	75.1	2.02
Coldwater ¹	102	45	70.2	1.75	Cameron ¹	96	64	81.6	10.45
Columbus ¹	95	39	69.0	9.44	Cheneyville ¹	96	57	75.3	2.02
Coolidge ¹	96	35	64.7	1.90	Clinton ¹	90	50	76.0	3.96
Cunningham ¹	99 ^a	32 ^b	68.4 ^c	3.32	Coushatta ¹				1.51
Downs					Coushatta ¹	94	48	75.9	1.21
Eldorado ¹	100	30	71.4	7.11	Covington ¹	92	54	77.2	3.65
Ely City* ¹	96	44	72.2	8.54	Delhi ¹				3.01
Emporia ¹	94	40	68.3	2.70	Donaldsonville ¹	95	59	80.0	3.88
Englewood ¹	107	30	67.6	3.04	Emilie ¹	91	57	76.2	2.72
Eureka Ranch ¹	101	31	68.4	1.13	Farmerville ¹	92	50	74.8	2.12
Fort Riley ¹	92	37	65.4	3.20	Franklin ¹	94	55	78.4	3.36
Garden City ¹	91	30	65.8	0.65	Girard ¹	97	49	70.3	3.01
Garfield					Grand Coteau ¹	92	57	77.1	5.01
Gibson* ¹	98	34	65.8	2.30	Houma ¹	93	61	81.3	6.01
Gove* ¹	100	35	67.3	1.26	Jeanerette ¹	96	54	78.4	5.89
Grainfield* ⁶	100	48	74.1	1.40	Lafayette ¹	95	54	78.4	5.16
Grenola* ¹	100	41	70.7	6.70	Lake Charles ¹	94	50	78.8	3.47
Halstead*					Lake Providence ¹	91	47	74.0	3.80
Hays City ¹	94	34	67.4	5.67	Lawrence ¹	92 ^a	63 ^b	79.1 ^c	2.70
Horton ¹	95	39	68.4	1.65	Liberty Hill ¹	96	48	77.0	1.76
Hutchinson ¹	103	36	70.0	3.27	Maurepas ¹	94	57	78.9	4.65
Independence ¹	100	41	72.5	8.18	Meville ¹	95	53	77.9	4.88
Ionia ¹	96	31	68.3	2.86	Minden ¹	98	50	77.7	0.93
Jaqua ¹	95	32	65.5	0.30	Monroe ¹	92	52	76.6	2.36
Johnson ¹	98	35	67.2	2.62	Natchitoches ¹	95	45	74.8	0.46
Kiowa ¹	102	36	69.8	7.11	New Iberia ¹	91	58	77.9	5.11
Lakin ¹	95	33	69.2	1.80	Oberlin ¹	94	50	75.6	2.23
Lebo ¹	98	36	69.7	4.94	Opelousas ¹	98	52	77.4	8.65
Leoti ¹	90	34	65.3	1.39	Oxford ¹	91	46	74.3	1.77
Macksville ¹	103	42	69.6	3.00	Paincourtville ¹	94	53	78.8	5.00
McPherson ¹	97	35	68.9	4.79	Plain Dealing ¹	92 ^a	52	79.9	1.72
Manhattan* ¹	100	32	65.3	3.16	Rayne ¹	95	57	78.9	7.04
Marion ¹	97	34	68.4	3.10	Roseland ¹	92	53	77.8	2.72
Marmaton ¹	96	37	68.3	5.99	Schriever ¹	94	57	78.5	4.89
Medicine Lodge					Shell Beach ¹	91	59	77.4	6.07
Minneapolis ¹	99	32	68.6	4.12	Sugar Ex Station ¹	92	60	78.7	1.81
Morland ¹	98	30	67.2	0.87	Sugartown ¹	91 ^a	50 ^b	73.0 ^c	5.33
Morton ¹	97	37	67.0	3.84	Thibodeaux ¹	90	59	77.8	4.48
Mount Hope* ¹	98	42	70.6	3.56	West End ¹				0.94
Ness City ¹	99	47	71.8	1.53	Winniboro ¹	92	54	76.6	1.20
New Eng. Ranch ¹	94	30	63.5	0.80	Maine:				
Oberlin ¹					Bar Harbor ¹	82	37	60.4	4.17
Olathe ¹	96	38	68.4	6.65	Belfast* ⁶	78	42	58.4	4.67
Osgood ¹	97	33	68.4	5.74	Calais ¹				3.13
Phillipsburg ¹	98	32	68.3	2.88	Cornish ¹	87	34	60.0	3.13
Pleasant Dale ¹	97	29	66.8 ^a	0.89	Easton ¹	80	28	56.8	0.52
Quinter* ¹	98	48	70.4	...	Fairfield ¹	79	28	55.6	3.82
Rome* ¹	102	38	71.0	4.90	Farmington ¹	88	25	60.2	5.73
Sedan ¹	99	43	72.4	1.95	Gardiner ¹	87	35	62.5	4.95
Sharon Springs* ¹	104	50	69.8	0.20	Houlton ¹	79	27	56.4	2.48
Topeka					Lewiston ¹	84	33	61.3	4.48
Tribune ¹	92	35	66.0	1.55	Madison ¹	88	40	61.0	4.84
Ulysses ¹	100	38	68.7	2.11	Mayfield ¹	80	32	57.5	5.71
Wa Keeney* ¹	98	50	69.4	0.50	North Bridgeton ¹	87	34	60.4	5.90
Wakefield* ¹	98	40	69.9	5.22	Orono ¹	90	27	59.2	3.44
Wallace ¹					Petit Menan* ¹	73	45	56.1	...
Wamego ¹	96	38	68.7	3.93	West Jonesport ¹	70	34	56.4	...
Washington ¹	100	30	68.6	1.19	Maryland:				
Wellington* ¹	101	46	73.9	1.94	Annapolis ¹	86	40	70.2	1.53
Westmoreland* ²					Bachmans Val. ¹	90	40	68.8	7.87
Winfield* ¹	104	36	71.9	4.74	Bel Alton ¹	97	50	73.3	1.47
Winona* ³	95	48	66.1	T.	Boettcherville ¹	94	33	67.9	2.40
Yates Center ¹	95	38	69.0	8.66	Charlotte Hall ¹	99	47	72.2	2.04
Kentucky:					Cherryfield ¹	72	26	53.6	...
Alpha* ¹	95	50	76.2	1.96	Chestertown ¹	90	44	69.8	3.83
Blandville	89	45	71.2	2.69	College Park ¹	96	44	69.8	1.65
Bowling Green ^a ¹	95	37	68.7	3.32	Cumberland a ¹	94	38	68.8	1.74
Bowling Green ^b ¹	93	43	73.0	3.28	Cumberland b ¹	92	42	71.2	1.97
Caddo* ¹	96	42	71.3	1.50	Darlington ¹	89	41	68.2	7.04
Canton* ¹	93	42	71.0	2.06	Denton ¹	95	46	72.3	2.65
Carrollton ¹	96	38	72.2	4.89	Easton ¹	92	45	71.6	3.93
Catlettsburg* ⁵	92	50	71.8	3.74	Fullston ¹	89	43	68.2	3.68
Cromwell ¹					Fenby ¹	86	44	68.8	4.04
Eddyville* ¹	86	53	70.1	2.56	Frederick ¹	93	43	70.4	3.02
Edmonton ¹	87	44	70.0	3.01	Grantsburg ¹	88	31	64.6	2.87
Eubank ¹	94	41	71.9	3.48	Great Falls* ⁶	90	46	70.8	2.68
Falmouth ¹					La Plata ¹	97	48	71.8	0.96
Fords Ferry ¹	98	42	73.3	1.25	McDonogh	88 ^a	44	72.2	...
Franklin* ¹	95	52	73.0	2.77					

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Maryland—Cont'd.	o	o	o	In.	Mardela Springs ¹	93	46	71.5	2.66
Charlevoix	90	34	62.3	4.23	Mt. St. Marys Col ¹	87	44	63.2	2.44
Chehogaon	92	25	59.0	...	Oakland ¹	82	82	61.2	...
Clinton	98	33	65.5	...	Pocomoke City	92	52	72.1	...
Crisps* ¹⁰	89	35	59.1	...	Princess Anne	98	46	71.6	

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Minnesota.—Cont'd.	90	60	60	Ins.	Missouri.—Cont'd.	90	60	60	Ins.
Red Lake ¹	96	31	58.2	1.98	Houston.....	92	37	65.4	3.90
Red Wing ¹.....	.....	.....	2.54	.....	Houstonia (near).....	92	25	60.3	1.68
Redwood Falls ¹.....	.....	.....	1.85	.....	Fort Robinson.....	98	32	67.2	1.16
Rolling Green ¹	89	33	61.4	4.45	Kidder.....	96	38	68.3	5.01
St. Charles ¹	94	29	62.4	3.15	Lamar.....	98	42	69.5	9.21
St. Cloud	94	32	61.8	2.12	La Platte ¹	92	46	67.3	2.34
St. Olaf	96	32	61.3	0.87	Lebanon.....	93	45	69.9	5.41
St. Peter ¹	94	32	63.0	1.36	Lexington ¹	91	42	68.2	6.98
Sandy Lake Dam ¹	90	29	57.0	0.54	Liberty ¹	98	39	71.2	4.84
Sault Center ¹	93	30 ^a	59.8	1.10	Louisiana Bridge ¹	94	29	65.3	1.40
Sunrise City ¹	96	27	60.2	0.75	McCune ¹	95	40	67.7	5.62
Two Harbors ¹	89	31	58.2	2.54	Marceline.....	96	39	68.8	6.07
Wabasha ¹	97	31	63.4	2.01	Marshall ¹	96	39	68.8	1.15
Willmar ¹	92	26	59.9	2.00	Maryville ¹	91	38	63.6	5.70
Winona	96	35	65.2	1.93	Mexico ¹	97	39	67.3	6.67
Worthington.....	89	33	61.2	1.77	Miami.....	94	46	70.0	5.15
Mississippi.....	.....	.....	.....	.....	Mine La Motte ¹	89	42	67.8	5.78
Aberdeen ¹	91	49	75.1	2.72	Mount Vernon.....	98	40	68.6	5.55
Agricultural Col'ge.	89	52	74.9	1.68	Nevada.....	.....	.....	.....
Batesville ¹	89	44	73.2	2.06	New Hartford ¹	98	48	71.7	4.33
Bay St. Louis ¹	98	57	78.5	2.40	New Haven ¹	96	48	69.3	4.23
Bixby ¹	92	61	78.4	5.09	New Madrid.....	92	42	72.0	4.44
Briars.....	88	54	74.4	4.56	New Palestine.....	.....	.....	.....
Brookhaven ¹	95	46	77.0	2.56	Oakfield ¹	93	44	68.8	3.54
Canton ¹	88	53	75.1	5.64	Old Ridge ¹	97	46	69.4	4.50
Clarksville ¹	90	54	75.4	2.33	Olden ¹	91	41	70.2	5.79
Columbus ¹	93	51	76.6	2.14	Oregon ¹	92	40	69.2	3.65
Corinth ¹	90	44	73.2	0.67	Oregon ^b	92	38	68.7	3.68
Crystal Springs ¹	91	51	75.2	4.87	Palmyra.....	.....	.....	.....
Duck Hill ¹	89	50	74.0	4.39	Panacea.....	90	43	68.8	3.95
Edwards.....	92	55	76.8	5.00	Phillipsburg ¹	94 ^c	43	67.0	3.78
Egypt ¹	88	51	73.7	.....	Pickering ¹	88	55	66.5	3.52
Enterprise ¹	90	53	75.2	4.96	Platte River ¹	90	38	63.2	4.82
Fayette ¹	88	54	75.0	2.05	Poplar Bluff.....	89	43	69.5	2.72
French Camps ¹	84	43	68.1	4.04	Potosi.....	89	35	64.3	4.74
Greenville ^a	91	54	74.7	1.77	Princeton ¹	94	41	67.0	2.14
Greenville ^b	96	49	75.9	1.17	St. Charles.....	92	43	67.8	2.77
Hattiesburg ¹	93	51	77.6	2.49	St. Joseph ¹	94	43	67.8	3.24
Hazlehurst ¹	93	51	76.5	3.02	Sarcocie ¹	48 ^c	67.8	52.7	2.57
Hernando ¹	90	46	74.4	2.56	Sedalia.....	95	38	69.4	5.76
Holly Springs ¹	89	47	73.3	1.74	Shelbina.....	95	38	69.4	2.00
Jackson ¹	93	52	76.8	4.03	Sikeston.....	92	41	71.1	3.75
Kosciusko ¹	91	50	73.8	6.17	Steffenville.....	.....	.....	.....
Lake ¹	89	51	74.6	1.34	Stelladat ¹	94	41	68.2	7.48
Leaf ¹	88	58	74.1	.....	Sublett ¹	95	38	65.8	3.39
Leakesville ¹	94	55	77.7	2.05	Tindall ¹.....	.....	.....	.....
Leonia ¹	94	59	73.1	5.28	Unionville ¹	98	39	68.8	4.44
Logtown ¹	91	56	77.6	4.26	Vermont ¹	93	46	67.4	6.50
Louisville ¹	91	49	74.1	1.82	Vilas.....	.....	.....	.....
Macon ¹	94	52	76.0	3.13	Virgil City.....	.....	.....	.....
Mayersville.....	95	45	74.0	4.40	Warrensburg ¹	92	47	68.9	3.24
Moss Point ¹	90	63	77.8	3.55	Warrenton.....	93	43	68.5	4.58
Natchez ¹	92	52	76.6	3.47	Wheatland.....	.....	.....	.....
Okolona ¹	92	49	75.0	2.75	Whiteside.....	90 ^c	42 ^c	64.8	4.00
Palo Alto ¹	89	52	75.0	2.68	Montana.....	.....	.....	.....
Pontotoc ¹	89	51	74.6	3.88	Anaconda ¹.....	.....	.....	.....
Port Gibson ¹	94	47	76.2	5.32	Billings ¹	87	35	59.2	1.71
Stonebridge ¹	90	56	76.6	.....	Boulder ¹	77	25	51.0	1.99
Thornton ¹	90	52	75.6	2.90	Bozeman ¹	74	32	52.6	2.16
Topton ¹	88	60	74.6	3.40	Butte ¹	77	27	51.2	1.41
Vaiden ¹	99	48	77.4	3.27	Cascade ¹.....	.....	.....	.....
Water Valley ¹	95	49	73.4	4.81	Cokedale ¹	78	23	49.2	1.74
Waynesboro ^a	98	53	75.1	4.60	Columbia Falls ¹	81	49	49.3	1.44
Waynesboro ^b	94	55	77.6	5.12	Fort Custer ¹	90	27	55.4	1.41
Woodville ¹	94	57	77.5	5.75	Fort Keogh.....	94	26	56.8	0.43
Yazoo City ¹	94	48	75.6	2.62	Fort Logan ¹	76	26	47.4	1.25
Missouri.....	.....	.....	.....	Fort Missoula.....	80	25	51.2	5.27	
Akron.....	.....	.....	.....	Glenivide ¹	93	19	56.0	0.22	
Appleton City ¹	95	41	69.0	3.87	Great Falls ¹	90	30	53.8	0.57
Arthur.....	.....	.....	.....	Hogan ¹	80	25	51.2	0.52	
Bagnell ¹.....	.....	.....	.....	Kipp ¹	83	16	48.6	1.04	
Bethany ¹	93	36	68.4	2.79	Martinsdale ¹	79	21	49.2	1.26
Big Piney.....	.....	.....	.....	Marysville ¹	76	27	50.1	1.17	
Birch Tree ¹	93	42	69.1	3.59	Mingusville ¹	95 ^c	17 ^c	57.2 ^c	0.85
Bluffton ¹	93	48	70.2	4.04	Radersburg ¹.....	.....	.....	.....
Boonville ¹.....	.....	.....	.....	Ridge ¹	90	25	51.2	0.52	
Brunswick ¹	92	41	69.8	5.93	Rockford ¹	93	21	49.2	0.56
Carrollton ¹	91	42	69.3	5.31	Utica ¹	83	31	54.7	0.32
Carthage.....	.....	.....	.....	Virginia City ¹	75	27	50.8	2.73	
Conception.....	98	38	68.4	3.30	White Sul. Spgs ¹	83	26	50.9	1.46
Cowgill ¹	92	40	69.9	3.40	Nebraska.....	.....	.....	.....
Darksville ¹	101	41	69.8	2.52	Missouri.....	.....	.....	.....
Downing.....	.....	.....	.....	Arkansas.....	.....	.....	.....
East Lynne ¹	88	39	63.0	6.11	Alabama.....	.....	.....	.....
Edge Hill ¹	86	44	67.1	5.03	Alaska.....	.....	.....	.....
Eight Mile ¹	80	36	66.2	5.65	Arizona.....	.....	.....	.....
Eldon ¹	94	48	69.6	5.58	Arkansas.....	.....	.....	.....
Elmira.....	99	34	69.6	3.06	Arkansas.....	.....	.....	.....
Emma ¹	98	48	70.4	5.51	Arkansas.....	.....	.....	.....
Fairport.....	.....	.....	.....	Arkansas.....	.....	.....	.....
Farmersville.....	.....	.....	.....	Arkansas.....	.....	.....	.....
Fayette ¹	97	43	71.1	7.12	Arkansas.....	.....	.....	.....
Fox Creek ¹	90	46	68.5	3.56	Arkansas.....	.....	.....	.....
Fulton.....	.....	.....	.....	Arkansas.....	.....	.....	.....
Gallatin ¹	96	39	68.1	2.27	Arkansas.....	.....	.....	.....
Gayoso ¹.....	.....	42	69.6	3.37	Arkansas.....	.....	.....	.....
Glasgow ¹	96	41	69.0	4.33	Arkansas.....	.....	.....	.....
Glensted.....	.....	.....	.....	Arkansas.....	.....	.....	.....
Gordonville ¹.....	.....	44	66.6	5.40	Arkansas.....	.....	.....	.....
Gorin ¹	97	45	66.4	3.45	Arkansas.....	.....	.....	.....
Greenville.....	98	37	70.2	2.65	Arkansas.....	.....	.....	.....
Grove Dale.....	96	34	64.7	4.30	Arkansas.....	.....	.....	.....
Half Way.....	93	43	68.4	6.17	Arkansas.....	.....	.....	.....
Harrisonville ¹	99	39	71.1	7.16	Arkansas.....	.....	.....	.....
Hermann ¹.....	.....	.....	.....	Arkansas.....	.....	.....	.....
Curtis ¹	97	32	64.6	1.30	Arkansas.....	.....	.....	.....
David City ¹	92	37	62.6	0.70	Arkansas.....	.....	.....	.....
Elba.....	.....	.....	.....	Arkansas.....	.....	.....	.....
Erieon ¹	98	45	68.5	2.52	Arkansas.....	.....	.....	.....
Ewing ¹.....	.....	.....	.....	Arkansas.....	.....	.....	.....

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Missouri—Cont'd.	90	60	60	Ins.	Nebraska—Cont'd.	90	33	67.1	1.68
Houston.....	92	37	65.4	3.90	Font Robinson.....	98	25	60.3	1.16
Houstonia (near).....	91	40	64.4	6.98	Franklin ¹	98	32	67.2	1.61
Ironton ¹	97	46	66.2	4.81	Geneva ¹	96	32	66.3	2.89
Kidder.....	96	38	68.3	5.01	Genoa ¹	95	34	67.4	0.46
Lamar.....	98	42	69.5	9.21	Gering ¹	96	32		

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
N. Mexico—Cont'd.	o	o	o	Ins.	N. Carolina—Cont'd.	o	o	o	Ins.
San Marcial †	87	37	65.0	o. 19	Lenoir †	87	47	69.4	3.65
Socorro †	93	39	69.4	o. 19	Lillesville	88	74	74.5	4.21
Springer †	84	56	67.8	o. 26	Littleton †	96	54	73.1	4.21
Sulphur Hot Spgs †	78	24	51.0	2.28	Louisburg †	94	54	72.8	4.46
Taos †	88	26	58.2	1.87	Lumberton †	94	56	75.2	7.26
New York.					Lynn †	91	o	69.0	4.07
Adams Center					Mocksville †	93	53	72.2	2.89
Akron					Moncure †	94	50	72.0	3.95
Alfred Center	92	31	64.0	5.62	Morganston †	91	50	69.4	4.78
Angelicia †	88	26	61.3	7.14	Mount Airy †	94	42	70.3	1.07
Arcade	89	29	60.2	5.54	Mount Pleasant	94	51	72.8	5.12
Arkwright	83	38	62.4	o. 2	Murphy †	94	o	69.0	1.38
Atlanta					Newbern †	94	60	75.9	5.10
Baldwinsville	86	37	64.9	4.88	Oak Ridge †	96	50	71.2	4.68
Bedford	88	38	65.8	6.34	Pantego				3.15
Big Sandy *10	86	42	66.2	o. 2	Pittsburg	91	50	70.8	6.43
Binghamton	88	30	63.7	4.98	Rockingham †	96	53	74.8	6.55
Bovina Center					Roxboro †	93	49 ^a	71.4 ^d	6.79
Brookfield	82	30	63.5	3.55	Salisbury a	90	55	73.4	2.97
Canton †	89	29	61.0	3.36	Saxon †	97	42	71.6	2.66
Charlotte *10	87	35	62.2	o. 2	Selma	93	57	73.4	7.53
Cherry Creek					Waynesville †	86	41	66.7	1.88
Cooperstown †	80	33	61.4	5.55	Welton †	94	53	73.6	4.72
Corlford	86	33	62.4	4.44	Willeyton	93	54	73.0	3.02
De Kalb Junction					North Dakota.				
Demster					Ashley	98	21	56.6	1.85
Ellis					Berlin †	98	18	56.3	1.00
Elmira †	90	33	66.4	5.10	Bottineau †	90	18	53.7	2.89
Factoryville †	93	28	64.8	5.34	Churchs Berry	93	23	55.2	2.07
Fleming	85	35	65.4	5.77	Dickinson †	93	21	52.4	0.90
Fort Niagara †	92	36	65.0	4.75	Ellendale †	98	21	57.0	0.07
Friendship	90	23	61.6	6.89	Gallatin †	104	23	56.9	0.96
Glens Falls	89	31	63.1	3.71	Grafton †	100	23	56.4	1.35
Gloversville	84	28	61.7	3.73	Gros Ventre	94	29	59.2	0.34
Hamilton	86	27	62.7	4.81	Hartford †	100	21	57.4	0.86
Hess Road Stn †	90*	33	61.6	4.00	Hawley †	94	25	54.8	2.03
Honeymed Brook	90	35	64.3	3.87	Henderson	93	25	56.2	0.30
Humphrey †	90	31	63.4	8.84	Hornell	94	24	56.9	1.60
Hyndsville	85	28	62.6	2.77	Howell	94	23	56.9	1.00
Ithaca	89	31	64.8	5.17	Irondequoit	94	23	56.9	0.96
Jamestown *6	85	35	64.5	o. 2	Jonesboro	94	23	56.4	1.35
Kings Station					Kosciusko	94	23	56.4	1.35
Lebanon Springs	85	29	62.7	6.23	Lake Charles	94	23	56.4	1.35
Le Roy	87	31	62.6	2.72	Lakeview	94	23	56.4	1.35
Lockport	90	33	64.8	5.12	Lakeville	94	23	56.4	1.35
Lowville	84	25	61.7	3.84	Lakeport	94	23	56.4	1.35
Madison Barracks †	87	33	65.1	4.22	Laramore	84 ^b	27 ^b	57.4 ^b	0.81 ^f
Malone	84	28	61.3	5.57	McKinney	89	21	53.6	2.40
Middleton ^a	89	36	65.1	o. 2	Milton †	95 ^a	37.5 ^a	51.4 ^a	1.40
Minnewaska	83	35	63.5	7.73	Minto †	96	26	60.0	1.24
Mount Morris	92	27	63.1	4.28	Napoleon †	94	21	57.0	1.59
Newark Valley					New Salem	95	24	54.8	2.82
New Lisbon					Oakdale †	88	25	56.8	0.05
North Hammond †	86	34	63.6	2.92	Orion †	100	25	52.6	0.97
Number Four †	81	29	58.8	5.57	Power †	100	25	58.8	0.36
Ogdensburg	83	33	63.7	3.40	St. John †	93	24	53.3	1.88
Oneonta	88	31	64.9	4.67	Steele †	94	20	56.3	0.62
Oxford	85	28	63.0	6.11	University †	98	22	55.5	1.20
Palermo †	86	35	63.6	3.44	Wahpeton †	98	25	60.1	1.20
Perry City	90	26	63.1	5.46	White Earth *1	85	20	52.2	1.91
Pine City					Wild Rice † ²	94	37	56.7	2.46
Plattburg B'sks	83	32	61.9	4.57	Woodbridge †	91	21	53.7	5.47
Port Jervis	88	32	65.1	6.02	Ohio.				
Potsdam ^a	85 ^a	30	62.9	3.34	Akron	91	38	67.4	5.28
Poughkeepsie	92	34	65.4	4.52	Annapolis	98	30	68.2	2.16
Rome	80	35	62.1	5.07	Arcanum	98	30	68.2	2.27
Romulus	88	33	66.0	4.92	Ashland	91	32	65.7	2.24
Saranac Lake	84	29	60.0	3.58	Athens ^d	96	36	69.1	1.27
Scottsville					Atwater	96	36	69.1	1.27
Setsauket †	86	50	67.0	5.26	Auburn	94	30	64.9	4.60
Skaneateles					Bangorville	92	36	66.6	1.79
South Canisteo	90	27	62.6	7.12	Batavia	91	36	66.5	1.65
South Kortright †	86	23	60.9	3.08	Bellefontaine	93	38	68.2	4.22
Stillwater	87	33	64.9	3.16	Bement	97	32	65.2	0.97
Trumansburg					Benton Ridge	100	32	64.2	0.97
Turin	79	30	60.4	4.17	Bethany	95	33	69.2	2.31
Varysburg	96	28	64.7	3.68	Biniola	95	37	69.1	3.71
Wappingers Falls	90	38	66.4	4.65	Bissells	94	37	66.6	5.26
Warwick					Bladensburg	97	33	66.9	3.56
Watertown	90	33	65.9	4.87	Bloomington	93	38	68.0	3.60
Wedgewood	95	29	64.2	5.91	Bloomington	93	38	68.0	3.60
West Chazy					Brownsville	93	38	68.0	3.60
West Point †	88	46	68.2	6.30	Buckley	94	37	67.3	2.55
Willets Point	88	47	67.6	8.98	Caledonia †	94	35	68.9	3.81
North Carolina.					Cambridge	95	35	67.0	1.65
Asheville	89	42	68.4	3.08	Camp Dennison	96	40	70.7	2.11
Auburn ^a	100	56	73.6	5.53	Canal Dover	98 ^a	40 ^a	64.1 ^a	3.75
Bailey ^a	98	50	71.7	2.27	Canton †	92	38	67.9	4.35
Bakersville	87	39	67.0	4.07	Cardington	94	32	67.4	2.75
Blowing Rock †	82	44	64.0	3.73	Carrollton	99	35	68.5	3.26
Bryson City †					Cedarville #1	91	33	69.2	1.62
Chapel Hill †	90	51	73.8	7.93	Celina	91	39	68.5	3.97
Currituck Inlet †					Cherry Fork	96	33	69.2	1.62
Experiment'l Farm	91 ^c	55 ^a	72.4 ^c	5.94	Circleville	99	33	67.6	3.36
Fair Bluff					Clarksville	94	37	69.0	5.19
Falkland ^a	94	60	73.6	4.80	Cleveland	92	37	66.9	4.01
Fayetteville †					Clifton	95	40	66.9	4.01
Flat Rock	85	41	66.8	3.36	Coalton	98	30	68.0	1.81
Goldsboro †	93	53	74.9	6.06	Colebrook	98	33	69.2	5.40
Greenville					Cynthiana	97	38	69.1	5.19
Greensboro †	95	52	73.2	5.04	Dayton	94	38	70.3	1.53
Henderson †	96	52	73.2	5.55	Dayton b †	94	38	70.3	1.53
Highlands	79	40	63.2	2.81	Demas	93	32	65.9	3.08
Horse Cove †	84	49	67.7	5.66	Deweyville	93	31	66.0	2.26

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Ohio—Cont'd.	o	o	o	Ins.	Ellsworth	92	35	66.2	4.68
Elyria	93	36	67.0	3.18	Fairport Harbor ²¹⁰	92	35	65.8	.....
Fayetteville	92	37	69.2	2.19	Findlay	94	33	66.9	2.06
Fostoria	95	37	67.2	2.06	Frankfort	94	40	70.6	2.29
Garrettsville	94	32	64.6	5.37	Guthrie	103	45	75.4	3.15
Georgetown	95	41	71.6	3.15	Mangum	103	48	75.8	1.45
Granville	95	35	67.5	4.67	Ponca †	105	46	74.0	2.10
Gratiot	95	39	68.5	2.59	Pond Creek †	102	35	71.6	2.22
Greenfield	94	42	68.3	3.80	Stillwater †	103	40	72.4	6.89
Green Hill	93	34	66.6	5.48	Winneway †	107 ^c	40 ^c	74.2 ^c	3.28
Greenville	92	34	69.5	1.35	Oregon.				
Guyville	97	34	69.5	1.35	Albany a †	94	40	60.7	1.67
Hackney	96	38	69.2	3.39	Albany b † ⁸	96	44	61.0	0.25
Hanging Rock	97	39	70.2	3.41	Arlington †	97	40	61.4	0.36
Harker.	92	38	66.5	5.42	Ashtabula a	97	36	59.5	0.14
Hedges	100	29	66.8	4.06	Ashtabula b	97	36	59.8	0.13
Hillhouse	95	35	65.5	6.97	Aurora ^a	95	45	61.0	2.62
Hillsboro	101	27	69.0	1.91	Aurora (near)	98	33	58.1	2.56
Hiram	93	35							

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
Pennsylvania—Con.	o	o	o	Ins.	S. Dakota—Cont'd.	o	o	o	Ins.
Greensboro †	36	62.8	6.03	37.3	Armour †	94	30	61.0	o .78
Greenville	92°	36	62.8	6.03	Ashcroft †	98	25	55.8	0.73
Hamburg	90	42	68.2	6.25	Bowdrie †	90	32	62.3	1.68
Hollidaysburg	92	31	66.7	5.68	Brookings †	94	18	57.8	1.68
Honesdale	83	30	63.7	4.47	Castlewood †	—	—	—	4.30
Huntingdon †	94	33	66.9	7.56	Clark †	98	28	62.9	3.70
Johnstown †	94	37	68.7	5.44	Cross †	87°	24°	55.3°	0.50
Kane	89	33	63.2	6.97	De Smet †	95	29	64.0	2.89
Kennett Square	91	40	68.4	7.21	Farmingdale	—	—	—	0.44
Kilmer	—	—	—	—	Faulkton †	99	23	61.3	0.87
Lancaster	90	46	69.0	7.32	Ejlandreau †	99	30	63.2	1.57
Lansdale	—	—	—	—	Forestburg †	100	21	61.6	1.55
Lebanon	89	36	67.3	5.47	Forest City †	99	—	—	1.00
Le Roy †	90	32	64.1	5.44	Fort Meade	92	30	60.2	0.63
Lewisburg	92	34	67.2	5.09	Fort Sully †	104	22	65.0	0.75
Lock Haven †	92	26	62.1	6.46	Frankfort †	98	22	60.9	0.64
Lock No. 4 †	—	—	—	—	Gary †	95	34	63.4	2.35
Lyceippus	92	41	68.1	7.68	Greenwood	97	30	67.4	0.91
Mahoning †	—	—	—	—	Highmore †	100	25	62.2	0.10
Oil City †	—	—	—	—	Hitchcock	—	—	—	0.77
Ottsville	—	—	—	—	Hotch City †	100d	23°	61.8	0.35
Parker †	—	—	—	—	Howard †	95	26	62.8	1.74
Philadelphia c	—	—	—	—	Kimball †	98	28	64.3°	0.60
Philadelphia b	91	44	69.8	6.57	Northville †	100	22	59.9	1.12
Phenixville	91	37	68.3	8.31	Oeirichia †	108	30	60.1	0.80
Point Pleasant	—	—	—	—	Parkertown	95	29	63.4	0.40
Pottstown	87	40	67.9	7.94	Piedmont	96	30	62.2	1.11
Quakertown	90	34	66.2	7.22	Plankinton †	97	29	64.6	1.45
Reading ^a	—	—	—	—	Rochford	—	—	—	0.57
Ridgway †	—	—	—	—	Rosebud †	91	27	67.6	0.44
Saegerstown	95	30	63.8	6.14	Silver City	—	—	—	0.67
Salem Corners	87	31	64.6	5.67	Saltsburg †	—	—	—	6.58
Seishtoltzville	—	—	—	—	Selins Grove	90	33	64.8	4.25
Shinglehouse	92	24	62.4	5.96	Shinglerehouse	92	28	62.8	6.32
Smithport	92	28	62.8	—	Smiths Corners	—	—	—	11.61
Somerset	90	34	65.8	3.12	Somerset	90	33	64.6	3.66
South Eaton	87	33	64.6	3.66	State College	89	34	66.0	5.78
State College	—	—	—	—	Stoystown †	—	—	—	6.39
Swarthmore	89	45	69.4	5.50	Tennessee	—	—	—	—
Uniontown	98	40	68.8	5.77	Andersonville ^a ...	92	43	67.4	2.21
Warren †	—	—	—	—	Arlington †	96	44	73.0	1.65
Wellsboro ^b †	88	28	60.6	5.85	Ashwood ^a †	88	48	71.6	3.79
West Chester	90	41	68.2	6.84	Bolivar †	90	42	72.9	1.23
West Newton †	—	—	—	—	Bristol †	88	42	68.1	3.35
Westtowns ^a	89	40	66.4	5.83	Brownsville †	94	42	74.2	2.30
Wilkesbarre †	89	32	66.0	5.05	Byrdstown †	89	42	69.6	2.72
York †	91	39	68.2	9.16	Carthage ^a	—	—	—	2.54
Rhode Island	—	—	—	—	Clarksville	91	45	73.6	1.96
Bristol	77	41	65.0	2.94	Covington ^a †	87	47	71.7	0.33
Kingston	85	39	64.5	3.96	Covington ^b ...	96	43	75.1	2.27
Lonsdale	—	—	—	—	Dyersburg †	94	42	71.8	1.50
Pawtucket	88	44	65.0	3.14	Florence Station †	90	47	71.7	3.10
Providence a	84	44	67.0	3.09	Franklin †	91	42	71.4	1.47
Providence c	86	40	64.7	3.28	Greeneville †	89	47	70.4	1.88
South Carolina	—	—	—	—	Hohenwald	—	—	—	1.64
Allendale †	96	57	76.0	8.24	Jackson ^a ...	90	46	67.4	0.99
Anderson †	—	—	—	—	Jackson ^b ...	90	42	71.7	0.90
Batesburg †	97	54	73.6	6.23	Loudon †	—	—	—	2.35
Blackville	94	58	75.5	7.69	Lynnhillie ^a ...	87	47	71.7	2.24
Blenheim ^b ...	98	58	71.1	6.63	Milan †	88	40	70.9	1.58
Branchville	95	60	79.6	8.22	Newport ^b ...	92	46*	69.8	1.47
Camden	—	—	—	—	Nunnally ^a ...	91	45	72.0	2.25
Central ^a	—	—	—	—	Palmetto ^a	—	—	—	4.60
Cheraw a	94	54	75.1	7.11	Parksville ^a ...	90	50	72.2	0.57
Cheraw b	—	—	—	—	Ridgleton †	95	49	76.2	2.01
Conway	—	—	—	—	Rockwood †	—	—	—	0.70
Cross Hill ^a	93	60	76.5	5.58	Rogersville ^a ...	86	48	70.0	2.51
Edisto †	—	—	—	—	Rugby ^a ...	88	51	69.1	2.19
Edgingham †	—	—	—	—	Springdale ^a ...	95	42	73.5	2.00
Flint Hill	93	54	73.4	7.30	Trenton	—	—	—	—
Florence †	94	58	76.6	7.24	Tullahoma ^b †	87	50	69.4	1.30
Georgetown †	94	61	76.6	10.35	Waynesboro ^a ...	89	46	69.0	1.57
Greenville	90	52	73.4	3.75	Texas	—	—	—	—
Greenwood	90	58	76.7	3.31	Alice †	98	62	80.8	3.70
Hardeeville	93	59	76.4	9.95	Arlington †	98	54	77.4	1.97
Hollands Store	93	53	74.4	4.16	Arthur City †	—	—	—	2.40
Kingtree a	98	60	79.0	7.31	Aurora ^a ...	102	58	78.0	2.10
Kingtree b	—	—	—	—	Austin b ^a ...	93	63	70.0	3.25
Little Mountain	98	54	74.6	3.73	Beaufort †	91	50	71.4	1.55
Longshore †	93	53	72.2	8.01	Benton †	97	51	78.7	1.81
McCormick ^a ...	91	58	72.7	4.37	Bethel †	98	50	71.1	1.52
Mount Carmel †	—	—	—	—	Bethel ^a ...	91	57	78.3	1.84
Pinopolis ^a ...	88	62	74.8	10.74	Bethel ^b ...	91	57	78.3	1.84
Port Royal †	94	55	78.2	9.45	Burnet ^a ...	88	60	76.4	1.57
St. Georges †	94	58	76.2	10.42	Camp Eagle Pass	99	61	80.4	6.14
St. Matthews †	94	58	76.2	6.80	Childress ^a ...	102	48	75.7	0.55
St. Stephens †	—	—	—	—	Coleman	—	—	—	0.69
Santuck ^a ...	91	58	73.5	3.71	College Station	91	59	76.8	1.52
Shaws Fork ^a ...	100	60	76.2	5.55	Fort Brown ^a ...	97	66	81.6	0.15
Trial †	97	57	76.3	6.66	Fort Clark	92	62	76.4	9.22
Watts ^b ...	92	57	74.2	4.70	Fort Hancock	100	39	72.0	1.95
Yorkville	93	57	73.9	4.49	Timmonsville ^a ...	—	—	—	—
South Dakota	—	—	—	—	Trenton	91	58	75.9	3.71
Aberdeen †	98	21	54.0	0.40	Trial †	97	56	77.2	2.11
Alexandria †	96	26	62.5	1.64	Watts ^b ...	91	65	81.2	4.03

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean			Max.	Min.	Mean	
S. Dakota—Cont'd.	o	o	o	Ins.	Texas—Cont'd.	o	o	o	Ins.	Virginia—Cont'd.	o	o	o	Ins.
Armour †	94	30	61.0	0.78	Fort McIntosh	100	64	83.0	2.61	Big Stone Gap †	88	37	66.5	1.70
Ashcroft †	98	25	55.8	0.73	Fort Ringgold †	100	66	82.4	1.00	Birdsnest ^a †	91	57	74.0	7.00
Bowdrie ^a †	90	32	62.3	1.68	Fort Stockton †	—	—	—	—	Blackshurg †	90	39	66.4	4.42
Brookings †	94	18	57.8	1.68	Fredericksburg †	91*	58	75.9	4.20	Buchanan †	—	—	—	—
Castlewood †	—	—	—	—	Golindu †	—	—	—	—	Buckingham †	—	—	—	—
Clark †	98	28	62.9	3.70	Graham †	105	53	78.6	1.13	Cape Charles †	90*	45	69.6	6.22
Cross †	87	24	55.3	0.50	Grape Vine †	99	53	75.6	2.68	Christiansburg †	—	—	—	—
De Smet †	95	29	64.0	2.89	Hale Center †	92	49	70.9	1.75	Dal. Enterprise †	89	38	66.7	5.96
Farmington	—	—	—	—	Hallettsville †	93	58	77.8	3.49	Fredericksburg †	97	48	71.4	2.30
Fort Sully †	104	22	65.0	0.75	Happy	94	39	68.0	2.26	Graham Forge	90*	42	67.5	1.56
Frankfort †	98	22	60.9	0.64	Hartley †	93	51	61.1	3.65	Hampton	92	61	74.6	5.31
Gary †	95	34	63.4	2.35	Haskell †	98	62	79.8	0.22	Hot Springs	89	36	63.8	4.83
Gettysburg	97	30	67.4	0.91	Hearne †	94	56	74.4	3.10	Houston †	98*	47	71.7	5.35
Gilmore	97	25	62.2	0.10	Hewitt	—	—	—	—					

Meteorological record of voluntary observers, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
W. Virginia—Con'd.	o	o	o	Ins.	Wisconsin—Cont'd.	o	o	o	Ins.
Wheeling ^a†	.....	.....	2.07	2.07	Pepin	91	33	60.4	1.66
Wheeling ^b †	93	42	70.6	2.21	Portage†	87	35	62.6	2.31
Wisconsin.	.....	.....	.....	.....	Port Washington	99	24	63.4	3.65
Amherst	95	27	61.4	2.71	Prairie du Chien	81	42	63.7	.....
Antigo†	94	26	61.4	2.15	Racine ^c †	94	30	63.6	4.25
Baraboo†	.....	.....	4.86	.....	Reedsburg†	94	27	61.8	2.91
Barron†	91	22	59.0	1.85	Royalton	94	33	63.0	.....
Bayfield	94	32	60.8	2.27	Sharon†	93	33	63.0	7.12
Beaver Dam	94	31	63.4	4.64	Shawano	94	27	59.6	3.64
Belleville	95	27	61.8	6.73	Sheboygan ^d †	88	35	63.3	.....
Beloit	93	34	64.7	9.03	Spooner†	91	28	61.0	1.92
Black River Falls†	98	23	61.3	3.01	Stevens Point†	92	28	63.0	1.87
Centralia	94	25	62.8	1.84	Sturgeon B. Canal ^e †	80	34	59.2	.....
Chilton	95	30	63.0	2.65	Two Rivers ^f †	81	36	61.4	.....
Chippewa Falls†	.....	.....	3.31	.....	Valley Junction†	96	23	61.6	2.71
Columbus	92	28	60.1	5.15	Viroqua	95	30	60.6	4.87
Grandon†	93	30	60.4	3.59	Watertown†	91	29	63.0	5.35
Delavan†	99	30	63.8	6.44	Waukesha†	92	39	63.8	4.55
Depere†	93	31	62.8	2.41	Westfield†	94	28	63.0	2.09
Florence†	89	24	56.7	3.74	Weston ^g †	96	28	58.2	4.14
Fond du Lac†	94	30	63.6	3.41	Whitehall	95	31	63.7	3.25
Grantsburg†	96	29	62.0	1.80	Wyoming.	.....	.....	.....	.....
Hartford ^h †	85	30	60.2	5.14	Big Horn Ranch†	79	22	47.1	2.78
Harvey†	93	30	61.6	5.34	Camp Pilot Butte†	80	28	53.4	0.93
Hayward†	91	25	58.8	1.66	Fort McKinney	84	28	54.2	0.74
Hillaboro	95	24	61.1	4.11	Fort Washakie	81	26	53.4	2.22
Janesville	95	32	64.6	7.29	Fort Yellowstone†	74	.....	0.71	.....
Kenosha ⁱ †	88	49	65.7	.....	LaBarge†	75	16	47.9	0.81
Koepenick ^j †	86	38	61.8	2.50	Laramie	78	29	52.0	1.60
Lancaster†	93	33	63.2	3.87	Lusk†	88	30	56.2	0.57
Lincoln†	.....	.....	62.4	1.52	Saratoga†	78	22	50.6	2.03
Madison†	90	37	64.4	4.21	Sheridan	88	25	54.3	0.95
Manitowoc†	89	34	61.3	3.40	Sundance	86	28	54.2	0.91
Meadow Valley†	93	75	58.4	1.88	Mexico.	.....	.....	.....	.....
Medford ^k †	94	27	59.6	2.86	Ciudad P. Diaz	96	66	SI. 7	4.70
Menomonie	97	24	60.2	2.93	Leon de Aldamas	82	54	69.2	6.68
Neillsville	92	25	60.0	2.62	Mexico	77	51	62.4	3.37
New Holstein†	94	31	61.4	2.98	Puebla	83	50	64.8	5.27
Oconomowoc†	93	33	65.0	7.51	Topolobampo ^l †	90	76	S2.6	5.97
Oconto	92	30	61.4	2.13	West Indies.	.....	.....	.....	.....
Osceola†	98	25	61.0	1.85	Grand Turk Island	.....	.....	7.35	.....
Oshkosh†	93	35°	66.0°	2.65	Reports received too late to be used in general discussion of weather for September, 1894.	.....	.....	.....	.....

Reports received too late, &c.—Continued.

Stations.	Temperature. (Fahrenheit.)			Precip'n.	Stations.	Temperature. (Fahrenheit.)			Precip'n.
	Max.	Min.	Mean			Max.	Min.	Mean	
South Dakota.	o	o	o	Ins.	Mellette	91	52	75.0	2.73
Tennessee.	.....	.....	.....	.....	Byrdstown	97	20	63.0	3.20
Texas.	o	o	o	Ins.	Albany ^m †	97	55	80.8	4.62
Utah.	.....	.....	.....	.....	Desert ⁿ †	92	45	71.8	0.23

EXPLANATION OF SIGNS.

*Extremes of temperature from observed readings of dry thermometer.

†Weather Bureau instruments.

A numeral following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:

¹ Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. + 4.² Mean of 8 a. m. + 8 p. m. + 2.³ Mean of 7 a. m. + 7 p. m. + 2.⁴ Mean of 6 a. m. + 6 p. m. + 2.⁵ Mean of 7 a. m. + 2 p. m. + 2.⁶ Mean from readings at various hours reduced to true daily mean by special tables.⁷ Mean from hourly readings of thermograph.⁸ Mean of 7 a. m. + 2 p. m. + 9 p. m. + 3.⁹ Mean of sunrise and noon.¹⁰ Mean of sunrise, noon, sunset, and midnight.

The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.

An italic letter following the name of a station, as "Livingston ^a," "Livingston ^b," indicates that two or more observers, as the case may be, are reporting from the same station. A small Roman letter following the name of a station, or in figure columns, indicates the number of days missing from the record; for instance, "¹²" denotes 12 days missing.

No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the precipitation record receive appropriate notice.

TABLE III—Data from Canadian stations for the month of September, 1894.

Station.	Pressure.			Temperature.	Precipitation.	Prevailing direction of wind.
	Mean not reduced.	Mean reduced.	Departure from normal.			
Inches.	Inches.	Inches.	o	o	Inches.	.....
St. Johns, N. F.	29.86	30.00	+ .01	51.6	- 3.8	3.00
Sydney, N. S.	30.04	30.10	+ .07	55.3	- 0.7	1.12
Grindstone, G. St. L.	30.00	30.03	.....	52.8	.....	3.02
Sable Island	30.10	30.13	+ .08	58.6	.....	1.76
Halifax, N. S.	30.00	30.13	+ .08	57.0	+ 0.5	1.01
Grand Manan, N. B.	30.06	30.11	.....	55.4	.....	2.85
Yarmouth, N. S.	30.05	30.13	+ .06	56.1	+ 0.6	4.65
Saint Andrews, N. B.	30.04	30.09	.....	55.6	.....	2.31
Charlottetown, P. E. I.	30.04	30.08	.....	56.3	.....	2.79
Chatham, N. B.	30.06	30.08	+ .07	54.0	+ 1.0	2.64
Father Point, Que.	29.02	30.05	+ .07	48.6	- 1.4	3.28
Quebec, Que.	29.72	30.05	+ .03	54.8	- 0.2	2.80
Montreal, Que.	29.85	30.05	+ .02	59.2	+ 1.7	2.73
Rockliffe, Unt.	29.55	30.00	+ .03	53.4	+ 0.9	3.23
Kingston, Ont.	29.74	30.05	+ .01	61.8	+ 2.3	3.10
Toronto, Ont.	29.68	30.06	.....	60.6	+ 2.6	5.49
White River, Ont.	28.62	29.96	.....	49.6	+ 0.7	4.85
Port Stanley, Ont.	29.43	30.06	+ .01	61.1	.....	4.04
Saugeen, Ont.	29.34	30.04	.....	59.4	+ 2.9	3.75
Parry Sound, Ont.	29.34	30.03	.....	56.9	+ 1.4	4.54
Port Arthur, Ont.	29.18	29.87	- .09	52.8	+ 2.3	1.77
Winnipeg, Man.	29.02	29.84	- .05	50.9	+ 1.9	2.18
Minnedosa, Man.	28.93	29.82	- .10	49.2	+ 2.7	0.89
Qu'Appelle, Assiniboina.	27.60	29.85	- .07	48.1	- 0.4	1.25
Medicine Hat, Assiniboina	27.54	29.82	- .06	52.8	- 1.7	1.33
Swift Current, Assiniboina	27.29	29.85	- .09	50.6	- 0.4	0.63
Prince Albert, Sask.	28.50	29.82	.....	44.6	.....	0.69
Edmonton, Alberta.	27.51	29.85	- .05	45.2	- 3.4	1.32
Battleford, Saskatchewan.	28.06	29.78	.....	47.8	.....	1.44
Spences Bridge, B. C.	29.08	29.89	.....	57.9	.....	0.80
Hamilton, Bermuda.	29.96	30.12	+ .05	78.1	.....	9.23
Esquimalt, B. C.	29.94	29.97	.....	52.9	.....	2.85
August, 1894.	.....	.....	.....	.....	.....	.....
Sable Island	29.96	30.12	+ .02	62.8	.....	1.09
Hamilton, Bermuda.	29.96	30.12	+ .02	79.7	.....	4.55

Received too late for publication in August, 1894.

Alabama.	Maine.
Uniontown	Orono
Arizona.	Massachusetts.
Holbrook	Waltham
California.	Minnesota.
Mutah Flat	Two Harbors
Neenach ⁱ †	Mississippi.
Point George L. H.	Edwards
Florida.	Nebraska.
Federal Point	Tecumseh
Georgia.	New Jersey.
Piscola	Salem
Illinois.	New York.
Bloomington ^j †	Potsdam
Iowa.	West Chazy
Rock Rapids.	North Dakota.
Kentucky.	Fort Berthold.
Herbert	.....

TABLE IV a.—Hourly sunshine as deduced from sunshine recorders, September, 1894.

TABLE IV b.—*Hourly precipitation, September, 1894.*

Station.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.		1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Total.		
	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.		1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.			
Atlanta, Ga.	0.20	0.06	0.01	0.01	T.	T.	T.	T.	0.00	0.00	0.00	0.00	0.12	0.16	0.21	0.16	0.06	0.16	1.48	0.96	0.58	1.05	0.52	0.35	5.82		
Baltimore, Md.	0.19	0.12	0.26	0.36	0.06	0.05	0.05	0.06	0.12	0.16	0.21	0.25	0.50	0.52	0.02	0.03	0.02	0.17	0.12	0.47	0.41	0.59	0.29	0.21	4.75		
Billings, Mont.	2.00	0.85	0.09	0.00	0.00	0.00	0.00	0.00	T.	T.	0.07	T.	T.	T.	0.01	0.01	0.01	T.	T.	T.	0.30	0.15	0.20	0.05	3.83		
Bismarck, N. Dak.	0.31	0.17	0.01	0.17	0.12	0.36	0.02	T.	0.01	0.02	0.07	T.	0.00	T.	0.01	0.02	0.12	0.07	0.11	0.17	0.09	0.06	0.05	0.13	2.09		
Boston, Mass.	0.01	0.10	0.46	0.65	0.08	0.36	0.09	0.23	0.10	0.24	0.06	0.27	0.16	0.07	0.11	0.06	0.05	0.12	0.35	0.23	0.09	0.22	0.55	0.93	5.59		
Buffalo, N. Y.	0.14	0.04	0.39	0.35	0.24	0.10	0.22	0.12	0.12	0.04	T.	0.00	0.00	0.00	0.00	0.05	0.62	0.11	0.40	0.30	0.38	0.05	0.06	0.27	4.00		
Cincinnati, Ohio	0.10	0.22	0.14	0.06	0.15	0.25	0.03	0.08	0.04	0.03	0.07	0.17	T.	0.05	0.08	0.01	0.46	0.03	0.02	0.03	0.03	0.02	0.03	0.33	2.41		
Cleveland, Ohio	0.05	0.05	0.07	0.06	0.05	0.15	0.16	0.21	0.21	0.43	0.22	0.01	0.01	T.	0.02	0.02	0.00	0.67	0.41	0.19	0.55	0.07	0.02	0.14	1.55		
Denver, Colo.	0.10	0.14	0.15	0.05	T.	T.	0.22	0.12	T.	0.00	T.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	T.	3.30		
Detroit, Mich.	0.18	0.34	0.23	0.12	0.03	0.20	0.11	0.13	0.12	0.16	0.00	0.00	0.01	0.01	0.32	T.	0.13	0.01	0.03	0.00	0.08	0.18	0.00	0.01	2.47		
Dodge City, Kans.	0.12	0.23	0.33	0.13	0.22	0.11	0.07	0.08	0.03	T.	T.	T.	0.02	0.05	0.04	0.03	0.07	0.05	0.05	0.07	T.	T.	T.	0.06	0.17	2.03	
Duluth, Minn.	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	T.	0.00	T.	0.00	0.02	0.22	0.13	0.19	0.16	0.13	0.31	0.49	0.08	0.00	0.00	0.17	2.04		
Eastport, Me.	0.02	0.02	0.01	0.19	0.09	0.01	0.00	0.03	0.01	0.03	0.21	0.02	0.07	0.06	0.09	0.05	0.04	0.03	0.00	0.02	0.24	0.11	0.13	0.10	1.46		
Galveston, Tex.	0.00	T.	0.00	T.	0.02	0.22	0.06	0.08	0.08	0.29	0.55	0.22	0.40	0.21	0.01	T.	0.03	0.52	T.	T.	T.	0.00	0.00	0.00	2.67		
Indianapolis, Ind.	0.20	0.02	0.12	0.11	0.01	0.06	0.39	0.47	T.	0.00	T.	0.01	T.	T.	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	T.	1.79		
Jacksonville, Fla.	0.17	0.18	0.41	0.46	0.57	0.85	0.94	1.25	0.74	1.19	1.69	0.85	1.13	1.16	1.20	1.07	0.67	0.39	0.97	0.15	0.62	0.22	0.12	0.03	16.63		
Jupiter, Fla.	0.31	1.00	0.14	0.17	0.30	0.20	0.03	0.00	1.16	0.29	0.75	0.40	0.63	0.50	0.60	0.82	0.64	0.80	0.61	0.25	0.32	0.30	0.44	0.59	13.65		
Kansas City, Mo.	0.29	0.51	0.74	2.02	0.90	0.55	0.48	0.24	0.01	T.	T.	0.01	0.11	0.01	0.04	0.00	T.	T.	T.	0.17	0.36	0.30	0.28	0.03	7.12		
Key West, Fla.	0.48	0.31	0.07	0.03	0.97	0.25	0.14	1.10	0.42	0.43	0.38	1.12	1.16	0.51	1.25	0.91	0.92	1.82	1.74	1.23	0.20	0.50	0.02	0.03	16.30		
Marquette, Mich.	0.09	0.05	0.07	0.19	0.43	0.33	0.30	0.25	0.12	0.10	0.14	0.07	0.12	0.03	0.06	0.01	0.02	0.02	T.	0.03	0.08	0.06	0.07	0.07	2.70		
Memphis, Tenn.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	T.	0.11	0.01	0.04	0.00	0.35	0.25	0.12	0.47	0.10	0.05	T.	T.	T.	0.07	0.02	0.01	0.00	1.60	
Milwaukee, Wis.	0.08	1.09	0.29	0.52	0.09	0.29	0.31	0.43	0.09	0.07	T.	T.	0.07	0.08	0.01	0.01	0.01	0.04	1.04	0.32	0.02	0.06	0.04	0.11	5.07		
Nantucket, Mass.	0.06	0.04	0.05	0.05	0.06	0.05	0.05	0.05	0.01	0.04	0.11	0.23	0.03	0.01	0.03	0.06	0.14	0.15	0.18	0.13	0.16	0.44	0.20	0.17	2.64		
Nashville, Tenn.	0.02	T.	T.	T.	T.	0.20	T.	0.22	0.14	0.70	0.17	0.03	0.17	0.02	T.	0.72	0.22	T.	0.00	T.	T.	0.05	0.03	0.03	3.07		
New Orleans, La.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	T.	T.	0.00	0.10	0.25	0.20	0.04	0.03	0.20	0.09	0.01	0.00	0.00	0.00	0.92		
New York, N. Y.	T.	0.01	T.	0.00	0.14	T.	0.05	0.12	0.59	0.76	0.25	0.40	0.71	0.25	1.14	0.62	0.99	0.37	0.25	0.58	0.40	0.14	0.17	T.	7.92		
Norfolk, Va.	0.69	0.17	0.82	0.14	0.47	0.73	0.39	0.44	0.42	0.18	0.00	0.07	0.17	0.17	0.13	0.16	0.16	0.16	0.29	0.11	0.10	0.01	0.09	0.17	3.77		
Omaha, Nebr.	0.01	0.21	0.15	0.01	0.00	0.22	0.07	0.37	0.39	0.29	0.07	0.07	0.21	0.11	0.05	0.05	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	2.44		
Philadelphia, Pa.	0.04	T.	0.00	0.00	0.02	0.05	0.22	0.11	0.07	0.03	0.13	0.15	0.15	0.22	0.07	0.02	T.	0.20	0.50	0.80	0.52	0.54	0.76	0.52	5.11		
Pittsburg, Pa.	0.41	0.05	0.11	0.01	T.	0.01	T.	0.10	0.03	0.02	T.	0.03	0.00	0.07	0.05	0.13	0.17	0.51	T.	T.	T.	0.20	0.23	0.19	0.75	3.67	
Portland, Me.	0.04	0.16	0.36	0.19	0.08	0.04	0.13	0.30	0.06	0.04	T.	T.	0.05	0.06	0.08	0.02	0.01	0.17	0.16	0.35	0.18	0.11	0.04	0.06	2.76		
Portland, Oreg.	0.06	0.10	0.03	0.03	0.06	0.09	0.05	0.01	0.03	0.02	0.03	0.07	0.05	0.02	0.02	0.02	0.10	0.13	0.04	0.09	0.05	0.02	T.	1.33			
Rochester, N. Y.	0.03	0.02	0.02	0.06	0.05	0.27	0.28	0.17	0.08	0.04	0.18	0.13	0.18	0.14	0.09	0.11	0.08	0.17	0.11	0.09	0.04	0.02	0.18	2.52			
St. Louis, Mo.	0.01	0.01	0.40	0.08	0.07	0.11	0.03	0.03	0.01	0.13	0.17	0.11	0.14	0.09	0.09	0.32	0.65	0.35	0.00	T.	0.01	0.02	0.02	T.	0.08		
St. Paul, Minn.	T.	T.	T.	0.00	0.00	0.01	0.03	0.00	0.00	0.07	0.03	0.00	T.	0.01	0.35	0.14	0.11	0.05	0.11	0.05	0.11	0.08	T.	0.29	0.30	0.21	1.80
Salt Lake City, Utah.	0.49	0.29	0.14	0.09	0.07	0.06	0.06	0.09	0.06	0.07	0.05	0.05	0.04	0.03	0.03	T.	0.02	0.24	0.32	0.09	0.14	0.12	0.16	0.00	0.01		
San Diego, Calif.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.16	0.04	0.13	0.03	0.05	0.05	0.03	0.06	0.10	0.13	0.04	0.09	0.05	0.02	T.	0.00			
San Francisco, Calif.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.16	0.03	0.05	0.05	0.03	0.06	0.10	0.13	0.07	T.	0.00	0.00	0.00	0.00	1.00		
Savannah, Ga.	0.16	0.32	0.10	0.09	0.07	0.11	0.20	0.44	0.01	0.23	0.20	0.39	0.38	0.38	0.42	0.61	0.64	0.46	0.38	0.38	0.24	0.78	0.11	0.19	0.06	7.88	
Seattle, Wash.	0.08	0.05	0.06	0.03	0.01	0.00	0.00	0.05	0.12	0.14	0.19	0.10	0.17	0.04	T.	0.02	0.04	0.48	0.11	0.36	0.44	0.67	0.13	0.01	0.00	2.48	
Vicksburg, Miss.	0.00	0.00	0.00	0.00	0.00	0.05	0.22	0.02	T.	0.00	0.00	T.	0.02	0.08	0.05	0.06	0.02	0.04	0.02	0.02	0.02	0.09	0.14	0.07	0.12	0.03	
Washington, D. C.	0.04	0.15	0.27	0.10	0.05	0.06	0.05	0.05	0.03	T.	T.	0.10	T.	0.02	0.08	0.05	0.06	0.01	0.04	0.02	0.12	0.12	0.12	0.15	0.15	6.34	
Wilmington, N. C.	0.09	0.19	0.25	0.06	0.35	0.89	0.33	0.65	0.30	0.04	0.02	0.05	0.31	0.15	0.29	0.29	0.62	0.31	0.19	0.32	0.17	0.12	0.20	0.15	0.15	2.75	

* Record for 25 days only.

† Record incomplete and partly estimated.

TABLE V.—Mean temperature for each hour of seventy-fifth meridian time, September, 1894.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Abilene, Tex.	71.1	70.4	69.5	69.0	68.3	67.5	67.2	66.9	69.3	72.1	75.3	77.7	79.9	81.7	83.2	84.3	84.7	83.8	82.2	79.4	76.6	74.7	73.6	72.2	75.9
Albany, N. Y.	61.7	62.2	60.6	59.0	59.5	59.1	59.1	61.1	63.7	66.5	69.2	71.0	72.0	73.4	72.5	70.9	68.3	66.5	65.3	63.1	62.9	62.1	65.8	62.1	65.8
Alpena, Mich.	57.1	55.4	55.2	54.6	53.5	53.0	53.8	56.3	55.0	59.9	61.5	62.5	63.7	65.0	65.4	64.9	63.6	61.6	59.8	58.4	57.9	57.4	59.3	59.3	59.3
Amarillo, Tex.	62.9	62.1	61.1	60.0	59.1	58.4	57.5	56.8	57.7	61.8	65.9	69.2	71.7	73.9	75.5	76.2	75.6	75.8	74.6	71.5	69.0	67.0	65.3	63.4	66.4
Atlanta, Ga.	69.6	68.9	68.2	67.6	66.8	66.5	66.7	68.2	70.8	73.4	76.0	79.1	80.2	80.5	80.4	79.8	78.3	75.9	74.3	73.4	72.2	71.1	70.3	73.4	73.4
Augusta, Ga.	71.1	70.5	69.9	69.4	68.8	68.6	69.4	71.5	74.6	77.6	79.5	81.0	82.2	83.1	82.3	81.5	80.2	78.3	76.2	74.7	73.6	72.9	71.7	75.5	71.7
Baker City, Oreg.	52.2	51.0	49.4	48.2	47.6	46.2	45.3	44.5	44.3	45.8	50.5	55.4	58.3	60.6	62.7	63.6	64.2	64.2	63.9	62.8	59.9	58.8	54.9	53.1	54.4
Baltimore, Md.	67.2	66.7	66.2	65.6	64.9	64.6	64.8	66.9	65.9	71.4	73.4	74.8	75.3	75.9	76.5	76.4	73.4	72.1	70.6	69.8	69.0	68.3	67.5	70.2	70.2
Bismarck, N. Dak.	54.6	53.8	51.5	50.4	49.3	48.0	47.5	47.4	49.6	54.3	55.2	61.9	62.4	64.8	67.1	68.0	68.3	68.0	66.9	66.2	65.8	65.0	64.0	54.9	57.7
Boston, Mass.	61.9	61.2	60.8	60.3	59.8	59.6	60.5	62.3	64.3	65.2	67.7	68.8	69.6	69.6	68.9	67.8	66.7	65.8	64.7	63.9	63.1	62.6	62.2	64.5	64.5
Buffalo, N. Y.	63.4	62.8	62.3	61.9	61.6	61.5	61.9	63.6	65.8	67.8	69.1	70.2	71.4	71.7	71.5	70.5	68.9	67.1	65.9	65.0	64.2	63.8	63.6	66.1	66.1
Charleston, S. C.	74.8	73.4	73.8	73.2	72.8	72.2	72.4	73.2	70.4	79.6	80.0	81.2	81.6	81.9	82.1	82.0	80.5	79.5	78.1	77.2	76.8	76.0	75.3	77.1	77.1
Charlotte, N. C.	68.3	67.7	66.9	66.2	65.5	65.8	66.3	70.3	72.7	74.6	76.0	77.5	78.4	79.4	78.9	78.2	76.4	74.2	72.8	71.4	70.6	69.7	68.8	71.8	71.8
Cheyenne, Wyo.	51.3	49.5	48.7	48.1	47.1	46.3	45.8	46.0	51.0	57.4	60.9	63.2	64.7	65.9	66.2	66.2	65.6	65.6	63.9	62.1	57.7	55.8	53.7	52.1	56.5
Chicago, Ill.	65.4	64.7	64.0	63.6	62.9	62.5	61.9	61.4	62.0	63.4	65.1	66.7	68.8	69.5	70.2	70.8	71.1	70.7	69.8	68.4	67.3	66.7	64.2	65.4	66.4
Cincinnati, Ohio	67.9	67.1	66.5	65.9	65.2	64.7	64.4	65.1	67.6	70.2	72.5	75.0	76.6	77.2	78.1	78.6	77.9	77.2	75.6	73.4	72.2	70.8	69.5	71.2	71.2
Cleveland, Ohio	63.5	63.1	62.7	62.2	61.7	61.2	61.1	63.1	65.7	68.7	70.5	72.1	72.5	72.1	71.2	71.5	70.1	69.4	68.0	66.5	65.4	64.7	64.2	66.8	66.8
Colorado Spgs., Colo.	53.3	52.4	51.0	49.9	49.5	48.1	47.1	48.8	50.9	57.6	62.0	64.8	67.9	69.1	70.6	70.7	70.2	68.5	65.1	63.3	59.0	55.1	55.1	59.0	59.0
Columbus, Ohio	64.5	63.5	62.5	61.6	61.1	61.0	61.1	63.2	65.8	69.1	71.9	74.1	75.1	76.2	76.8	75.4	75.7	74.3	72.0	71.0	69.1	67.6	66.2	65.0	68.6
Denver, Colo.	58.9	57.6	56.3	55.4	54.5	53.6	52.8	51.8	52.8	57.3	62.5	66.7	69.5	71.3	74.4	74.4	73.7	73.0	70.4	66.7	64.2	62.4	60.1	63.1	63.1
Des Moines, Iowa	62.8	61.7	61.0	59.9	59.1	58.3	57.7	58.4	60.9	65.2	68.5	71.5	73.6	74.6	75.6	76.2	74.9	74.4	72.2	69.3	67.3	65.9	64.4	63.0	66.5
Detroit, Mich.	62.3	61.9	61.7	61.1	60.6	60.0	62.2	64.7	67.1	68.3	70.1	71.2	72.0	72.3	72.0	71.1	68.8	65.4	64.2	63.3	62.4	61.9	62.4	62.4	62.4
Dodge City, Kans.	63.6	62.5	61.6	60.4	59.6	58.6	61.1	64.8	69.4	72.5	75.0	76.7	78.2	79.2	79.5	78.9	77.2	72.7	70.2	68.0	65.8	64.5	64.5	68.2	68.2
Duluth, Minn.	57.2	57.0	56.1	55.0	55.1	54.5	54.0	54.5	55.8	57.7	60.1	61.7	63.5	64.9	65.7	65.8	65.5	64.3	62.7	61.3	60.0	59.0	58.1	57.7	59.5
Eastport, Me.	53.2	53.8	52.4	51.7	51.8	51.8	51.8	52.4	55.0	58.1	60.6	61.0	61.0	60.0	59.6	58.5	56.9	55.6	54.9	54.7	54.2	53.6	53.6	56.0	56.0
El Paso, Tex.	69.3	68.4	67.2	66.8	65.4	63.9	62.7	61.5	63.5	68.0	72.4	76.5	79.1	81.5	83.3	84.6	85.3	84.7	83.6	80.2	77.2	74.1	71.9	70.7	73.4
Fort Smith, Ark.	69.4	68.5	67.7	67.1	66.4	65.8	65.5	66.5	68.0	71.3	73.6	76.4	77.3	79.3	80.5	81.0	81.1	80.3	78.4	76.1	74.1	72.6	71.1	70.0	72.9
Galveston, Tex.	79.2	79.0	78.9	78.6	78.3	77.5	77.8	78.6	80.5	81.1	81.5	82.0	82.0	82.1	82.3	82.0	81.4	80.8	80.2	79.0	77.9	76.6	74.9	79.9	79.9
Grand Haven, Mich.	62.6	61.9	61.1	60.6	59.5	58.7	57.7	59.5	61.7	63.5	64.9	65.8	66.6	67.3	68.1	68.3	68.5	68.3	67.6	66.5	65.3	64.1	63.1	63.1	63.1
Havre, Mont.	49.3	48.2	47.8	47.3	46.1	44.8	44.3	44.0	45.2	48.0	51.1	57.0	60.9	63.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	54.7	54.7	54.7
Helena, Mont.	50.8	50.2	49.9	49.0	47.8	47.0	46.3	45.5	45.5	48.0	50.1	53.1	55.6	59.0	60.6	61.2	61.3	60.5	58.9	56.5	54.5	52.7	51.1	53.1	53.1
Huron, S. Dak.	57.0	55.2	53.5	52.4	52.0	50.8	51.2	52.3	52.3	56.7	59.7	73.4	74.5	74.9	75.5	75.7	74.6	72.2	68.4	65.2	62.5	59.8	57.8	63.1	63.1
Indianapolis, Ind.	65.6	64.8	63.9	62.6	62.2	61.8	61.5	63.3	67.2	71.2	74.2	75.9	77.4	78.7	79.1	78.5	77.0	74.7	71.9	70.0	68.2	66.9	65.9	70.1	70.1
Jacksonville, Fla.	74.6	74.4	74.0	73.7	73.4	73.2	73.7	73.7	75.0	78.2	80.4	81.3	82.6	83.0	82.5	82.4	82.2	81.6	80.1	78.1	76.9	75.1	74.7	77.7	77.7
Kansas City, Mo.	65.8	64.9	64.5	63.9	63.9	62.8	62.2	61.7	61.5	62.9	65.8	69.2	71.4	74.8	75.3	75.6	76.7	76.9	76.1	75.1	74.6	73.6	72.5	68.5	68.5
Key West, Fla.	80.3	79.7	80.3	80.1	79.8	79.4	80.1	81.8	82.8	83.9	84.6	84.1	84.5	84.7	84.6	84.5	83.6	82.4	81.2	80.8	80.4	80.7	80.6	81.9	81.9
Knoxville, Tenn.	68.6	67.8	67.1	66.6	65.5	65.1	66.7	69.2	72.5	74.8	78.4	79.9	80.3	80.5	81.0	81.1	80.8	80.2	78.4	76.1	74.6	73.3	72.3	72.3	72.3
Lander, Wyo.	49.4	48.4	47.6	46.7	45.3	43.2	42.3	41.6	44.4	50.8	55.7	59.0	61.8	63.6	64.5	65.4	65.6	65.2	64.6	61.5	55.9	53.7	52.0	54.0	54.0
Little Rock, Ark.	69.6	68.9	68.5	67.6	67.4	66.8	66.2	66.9	68.6	71.1	74.2	76.7	78.9	80.0	80.9	80.5	79.5	77.5	74.9	73.3	72.0	70.9	69.7	72.3	72.3
Louisville, Ky.	67.9	65.9	65.9	64.5	64.7	64.3	64.2	65.8	68.1	71.3	74.6	78.4	80.2	81.1	80.7	79.4	77.3	75.9	73.3	70.5	68.1	67.1	72.0	72.0	72.0
Lynchburg, Va.	66.9	66.6	65.7	65.2	64.7	64.4	64.7	65.9	66.4	71.9	74.3	75.7	77.2	78.1	78.6	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
Marquette, Mich.	59.3	58.6	58.6	58.1	57.3	55.9	56.6	60.7	63.5	65.6	67.1	67.5	69.7	70.4	71.1	67.5	67.5	66.0	64.9	63.0	61.1	59.1	58.4	61.2	61.2
Memphis, Tenn.	69.5	69.1	68.7	68.1	67.6	67.1	67.0	70.1	73.3	75.1	78.3	79.7	80.2	80.5	80.2	80.2	80.1	79.7	77.2	75.1	73.1	71.1	69.8	73.4	73.4
Milwaukee, Wis.	62.5	61.8	61.0	59.4	59.9	59.1	59.0	60.3	62.5	65.0	67.5	69.3	71.1	72.2	73.8	74.8	75.3	7							

TABLE VI.—*Mean pressure for each hour of seventy-fifth meridian time, September, 1894.*

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Abilene, Tex.	.28.207	.207	.210	.207	.208	.218	.228	.239	.246	.252	.253	.249	.231	.209	.185	.163	.152	.148	.149	.156	.172	.190	.197	.204	.203
Albany, N. Y.	.30.017	.075	.014	.017	.027	.037	.047	.051	.055	.049	.035	.021	.002	.987	.978	.974	.976	.976	.986	.995	.001	.009	.011	.014	.012
Alpena, Mich.	.29.370	.358	.362	.363	.365	.372	.374	.372	.369	.361	.350	.348	.340	.339	.334	.336	.338	.342	.353	.353	.355	.367	.368	.367	.358
Atlanta, Ga.	.28.911	.905	.900	.903	.907	.920	.934	.942	.950	.957	.955	.945	.933	.914	.890	.884	.886	.894	.902	.911	.919	.919	.916	.916	
Augusta, Ga.	.29.866	.859	.851	.847	.850	.859	.872	.882	.893	.893	.893	.874	.856	.839	.830	.832	.834	.844	.859	.869	.872	.870	.862	.862	
Baltimore, Md.	.29.900	.894	.894	.899	.906	.917	.925	.927	.932	.929	.921	.911	.897	.880	.870	.866	.864	.869	.877	.886	.896	.898	.896	.898	
Bismarck, N. Dak.	.28.121	.121	.122	.122	.129	.132	.138	.143	.153	.154	.152	.150	.134	.118	.104	.097	.093	.089	.090	.090	.109	.120	.127	.132	.123
Boston, Mass.	.29.972	.970	.974	.978	.988	.999	.006	.009	.009	.009	.009	.008	.007	.006	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	
Buffalo, N. Y.	.29.330	.324	.333	.324	.331	.340	.346	.348	.350	.348	.342	.330	.327	.318	.309	.303	.303	.304	.310	.321	.328	.332	.331	.330	
Chicago, Ill.	.29.152	.148	.151	.155	.162	.176	.183	.190	.193	.192	.181	.169	.147	.145	.143	.142	.149	.153	.158	.158	.156	.156	.156	.156	
Cincinnati, Ohio	.29.405	.402	.400	.406	.408	.414	.425	.430	.437	.437	.432	.421	.409	.393	.380	.372	.375	.382	.390	.402	.410	.412	.408	.405	
Cleveland, Ohio	.29.203	.263	.263	.266	.274	.284	.294	.302	.305	.305	.302	.291	.277	.265	.253	.254	.257	.263	.271	.271	.267	.264	.261	.274	
Colorado Spgs, Colo.	.24.057	.090	.090	.087	.086	.087	.091	.098	.101	.102	.101	.100	.085	.068	.054	.035	.018	.012	.014	.024	.040	.060	.072	.070	
Columbus, Ohio	.29.176	.173	.170	.173	.176	.184	.192	.197	.199	.200	.193	.182	.167	.152	.141	.135	.140	.144	.149	.161	.170	.175	.177	.171	
Denver, Colo.	.24.790	.789	.789	.785	.784	.784	.791	.798	.806	.810	.812	.811	.799	.783	.763	.747	.738	.732	.734	.739	.753	.768	.778	.780	
Des Moines, Iowa	.29.070	.075	.082	.086	.092	.100	.108	.114	.117	.122	.120	.113	.101	.082	.064	.051	.047	.044	.042	.050	.059	.067	.069	.075	.080
Detroit, Mich.	.29.283	.282	.279	.276	.279	.285	.295	.299	.301	.303	.300	.292	.285	.273	.264	.260	.258	.261	.265	.273	.281	.284	.286	.285	
Dodge City, Kans.	.27.385	.386	.383	.385	.388	.391	.394	.402	.410	.414	.419	.414	.401	.385	.367	.353	.343	.341	.341	.341	.347	.353	.381	.385	
Duluth, Minn.	.29.183	.184	.185	.188	.195	.202	.210	.216	.219	.213	.206	.202	.191	.179	.166	.159	.150	.157	.161	.166	.178	.182	.186	.188	
Eastport, Me.	.30.002	.999	.002	.007	.015	.023	.028	.033	.031	.026	.016	.006	.999	.988	.985	.987	.995	.005	.005	.012	.010	.009	.010	.008	
El Paso, Tex.	.26.214	.215	.216	.216	.216	.219	.227	.237	.251	.260	.269	.269	.255	.236	.217	.189	.170	.159	.152	.151	.160	.178	.195	.206	
Galveston, Tex.	.29.980	.977	.972	.970	.971	.979	.990	.000	.006	.015	.019	.017	.006	.990	.976	.963	.957	.957	.957	.961	.974	.984	.987	.986	
Grand Haven, Mich.	.29.330	.330	.328	.327	.334	.341	.353	.352	.366	.373	.373	.370	.359	.350	.341	.333	.329	.327	.329	.329	.349	.330	.331	.344	
Havre, Mont.	.27.295	.298	.299	.304	.308	.311	.310	.312	.313	.314	.318	.315	.309	.299	.284	.272	.267	.260	.261	.266	.275	.284	.287	.292	
Helena, Mont.	.25.840	.839	.839	.839	.843	.844	.846	.848	.851	.854	.857	.855	.843	.833	.818	.809	.802	.795	.791	.797	.804	.816	.823	.830	
Huron, S. Dak.	.28.530	.532	.537	.535	.539	.541	.547	.556	.560	.562	.556	.547	.531	.520	.507	.497	.485	.486	.489	.495	.516	.528	.533	.537	
Indianapolis, Ind.	.29.212	.244	.245	.244	.249	.254	.260	.277	.283	.288	.286	.282	.252	.270	.254	.239	.223	.222	.223	.230	.238	.242	.246	.251	
Jacksonville, Fla.	.29.995	.956	.948	.946	.952	.963	.974	.982	.986	.986	.980	.969	.954	.937	.921	.919	.920	.932	.941	.956	.968	.975	.976	.957	
Kansas City, Mo.	.29.012	.017	.012	.017	.018	.024	.031	.038	.043	.048	.049	.040	.036	.031	.026	.019	.009	.005	.005	.013	.015	.015	.014		
Key West, Fla.	.29.940	.934	.926	.922	.925	.935	.951	.963	.973	.969	.958	.943	.925	.915	.905	.903	.933	.945	.955	.959	.959	.954	.954		
Knoxville, Tenn.	.29.051	.048	.046	.047	.052	.065	.079	.089	.092	.095	.092	.083	.070	.048	.031	.019	.016	.019	.026	.037	.044	.052	.056	.055	
Little Rock, Ark.	.29.711	.703	.707	.707	.713	.721	.733	.747	.757	.764	.759	.740	.717	.699	.687	.681	.682	.681	.681	.710	.719	.721	.719	.718	
Louisville, Ky.	.29.503	.503	.502	.503	.503	.517	.532	.539	.546	.542	.535	.520	.505	.489	.472	.473	.476	.483	.495	.500	.505	.507			
Lynchburg, Va.	.29.376	.372	.368	.372	.381	.393	.404	.407	.411	.410	.402	.394	.374	.360	.344	.337	.338	.342	.347	.347	.373	.378	.376	.376	
Marquette, Mich.	.29.143	.144	.142	.143	.145	.153	.157	.159	.159	.159	.159	.158	.155	.145	.139	.134	.137	.143	.144	.150	.155	.151	.148	.149	
Memphis, Tenn.	.29.709	.705	.704	.704	.710	.720	.735	.745	.752	.758	.759	.754	.739	.720	.705	.695	.687	.686	.688	.691	.706	.714	.717	.715	
Milwaukee, Wis.	.29.271	.273	.274	.277	.284	.293	.306	.313	.317	.322	.319	.316	.308	.294	.283	.272	.262	.264	.269	.276	.276	.276	.273	.287	
Moorhead, Minn.	.28.870	.883	.880	.882	.885	.888	.895	.897	.899	.902	.900	.890	.875	.858	.848	.841	.839	.843	.849	.855	.865	.874	.879	.874	
Nantucket, Mass.	.30.099	.097	.092	.099	.097	.105	.119	.127	.130	.130	.122	.115	.103	.093	.080	.087	.087	.090	.092	.102	.080	.099	.090	.103	
Nashville, Tenn.	.29.486	.481	.479	.480	.487	.494	.511	.518	.525	.526	.518	.498	.485	.465	.457	.457	.463	.466	.473	.487	.492	.493	.493	.490	
New Haven, Conn.	.29.972	.969	.968	.972	.980	.991	.001	.005	.008	.005	.997	.986	.971	.960	.951	.947	.942	.947	.956	.963	.966	.969	.973	.968	
New Orleans, La.	.29.949	.941	.938	.938	.942	.952	.965	.974	.981	.980	.984	.977	.961	.943	.928	.918	.915	.918	.926	.936	.949	.957	.959	.956	
New York, N. Y.	.29.909	.905	.904	.907	.914	.924	.933	.937	.934	.932	.927	.918	.905	.893	.885	.882	.881	.890	.898	.903	.909	.908	.908		
Norfolk, Va.	.29.994	.989	.983	.983	.993	.001	.013	.017	.023	.024	.020	.012	.007	.004	.004	.004	.005	.005	.005	.005	.005	.005	.005	.005	
Omaha, Neb.	.28.803	.812	.812	.811	.820	.825	.833	.838	.841	.842	.839	.836	.829	.809	.795	.781	.777	.782	.795	.795	.803	.810	.812	.811	
Parkersburg, W. Va.	.29.419	.416	.416	.420	.425	.431	.442	.448	.451	.453	.446	.437	.423	.408	.394	.385	.380	.382	.386	.399	.409	.414	.417	.418	
Philadelphia, Pa.	.29.984	.976	.977	.983	.983	.983	.993	.003	.010	.013	.004	.003	.003	.003	.003	.005	.005	.005	.005	.005	.005	.005	.005		
Pikes Peak, Colo.	.17.931	.923	.919	.909	.902	.899	.894	.897	.907	.906	.902	.900	.890	.875	.858	.848	.841	.843	.845	.849	.852	.856	.852		
Pittsburg, Pa.	.29.216	.214	.214	.218	.224	.235	.243	.247	.232	.217	.205	.186	.171	.174	.180	.190	.190	.203	.210	.215	.215				
Portland, Oreg.	.29.849	.849	.854	.858	.858	.858	.859	.862	.869	.870	.879	.883	.884	.883	.884	.884	.884	.884	.884	.884	.884	.884	.885		
Rochester, N. Y.	.29.532	.530	.5																						

TABLE VII.—Average wind movement for each hour of seventy-fifth meridian time, September, 1894.

Stations.	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.	Mean.
Abilene, Tex.	8.5	8.6	7.4	7.9	8.1	7.5	7.2	6.8	7.7	10.0	12.1	11.4	10.8	10.9	11.0	11.5	11.8	11.2	9.8	7.4	7.3	7.6	8.2	9.3
Albany, N. Y.	4.0	3.7	3.4	3.8	3.9	4.1	5.4	6.0	6.9	8.1	8.4	9.0	9.0	8.5	7.6	5.4	5.2	4.7	4.3	4.4	4.1	5.5	6.1	8.4
Alpena, Mich.	5.9	6.0	6.4	6.1	6.0	5.9	6.0	7.2	8.0	9.3	10.4	10.9	11.5	12.8	12.5	11.2	10.6	8.7	8.2	6.6	6.3	6.1	6.3	8.4
Amarillo, Tex.	13.8	16.3	15.7	15.3	15.7	14.7	14.8	14.9	14.4	17.2	17.7	17.3	17.5	17.7	17.2	18.1	18.4	18.1	17.7	16.3	15.4	17.4	16.9	15.9
Atlanta, Ga.	8.1	8.0	8.7	8.0	7.8	7.7	7.5	7.7	9.5	9.8	10.2	10.1	10.0	9.4	9.6	8.6	8.6	7.7	8.0	8.2	8.4	8.7	8.6	
Atlantic City, N. J.	10.3	10.4	10.1	10.1	10.4	10.8	10.9	11.4	12.3	13.0	13.3	14.0	14.0	14.4	14.1	14.4	13.3	12.3	12.0	12.5	11.7	11.4	11.3	12.1
Augusta, Ga.	2.2	2.2	2.3	2.5	2.8	2.5	2.5	3.2	3.6	4.6	5.3	5.0	6.0	6.5	5.7	5.0	3.6	2.8	2.0	2.1	2.3	2.0	3.7	
Baker City, Oreg.	3.4	3.7	4.2	4.9	4.8	4.6	3.9	4.8	4.8	5.9	5.9	5.0	6.0	6.1	6.6	5.8	7.2	6.6	6.4	4.4	3.4	2.6	3.3	4.9
Baltimore, Md.	5.0	4.6	4.6	4.2	4.7	4.9	5.1	5.6	5.4	7.5	7.9	8.5	9.5	9.2	8.4	8.8	7.7	6.8	6.6	6.0	5.6	5.1	6.6	
Bismarck, N. Dak.	7.8	6.8	6.3	6.1	6.4	6.0	6.2	7.0	9.1	12.5	13.3	14.3	16.1	16.9	16.6	15.6	15.6	13.4	10.9	9.9	9.8	9.5	9.2	10.5
Block Island, R. I.	12.9	12.3	11.8	12.0	12.9	12.9	13.8	14.5	15.5	15.7	15.0	15.6	16.5	16.8	16.0	15.9	15.9	15.2	15.5	15.4	14.6	14.2	14.8	
Boston, Mass.	7.5	7.9	7.8	8.2	7.9	7.7	8.2	8.7	9.5	9.9	10.3	11.2	11.2	11.2	11.0	10.8	10.1	8.9	9.4	9.3	8.5	8.5	9.2	
Buffalo, N. Y.	8.4	8.8	8.9	8.8	8.8	8.7	7.8	8.5	9.4	9.9	10.2	10.2	11.0	11.4	10.2	9.6	9.7	9.0	9.5	9.3	9.0	8.7	9.5	
Cairo, Ill.	5.8	6.3	5.9	5.3	5.9	5.9	6.0	6.2	6.7	7.3	8.0	8.6	8.8	8.9	8.6	8.6	8.0	6.3	6.0	6.1	5.9	6.1	6.9	
Cape Henry, Va.	12.0	12.3	13.1	13.2	13.1	13.5	14.4	15.0	15.6	15.3	14.6	15.2	15.5	15.5	15.4	14.7	13.9	14.1	13.9	13.7	13.5	13.5	13.1	14.2
Charleston, S. C.	6.2	6.5	6.9	6.8	6.8	6.5	7.0	7.5	8.4	8.8	9.8	10.4	11.4	12.1	12.9	12.0	12.3	10.8	10.0	8.8	8.7	8.0	7.6	8.9
Charlotte, N. C.	5.7	5.4	5.6	5.2	5.1	5.0	5.7	5.6	6.7	7.3	7.3	7.5	7.5	7.2	6.8	7.3	6.6	5.6	5.4	5.6	5.5	5.5	6.1	
Chattanooga, Tenn.	3.5	3.0	3.2	3.4	3.3	3.6	3.2	4.0	5.0	5.9	6.5	7.3	8.0	8.3	8.5	8.7	8.3	7.8	6.8	4.9	4.2	4.3	4.5	5.4
Cheyenne, Wyo.	6.9	7.2	7.7	7.9	8.5	7.7	7.4	7.3	7.6	10.0	13.5	14.6	15.0	15.8	15.3	14.9	14.2	13.3	12.1	9.5	8.2	8.4	8.0	10.7
Chicago, Ill.	16.4	16.4	16.1	17.2	17.5	17.6	17.0	17.2	15.6	16.3	15.3	15.6	16.5	17.1	17.2	17.0	15.7	14.2	13.7	13.9	15.3	16.7	16.2	
Cincinnati, Ohio.	4.4	4.0	4.3	4.2	4.4	4.3	4.0	4.4	5.0	5.9	6.9	7.7	8.1	9.4	9.5	9.3	9.7	8.7	7.4	6.2	5.9	5.3	5.0	6.4
Cleveland, Ohio.	12.5	12.8	13.1	13.0	12.4	11.8	11.7	11.8	12.4	13.3	14.2	15.2	15.3	15.3	13.4	12.2	10.5	10.7	11.1	11.5	11.6	12.1	12.0	
Colorado Springs, Colo.	8.4	8.6	8.7	7.8	7.6	7.3	7.7	7.2	6.6	6.0	8.0	10.2	10.6	11.6	12.2	11.1	10.8	10.3	8.3	7.9	9.4	9.0	8.9	
Columbia, Mo.	5.5	4.9	4.9	4.6	4.7	4.6	4.5	5.3	5.7	6.7	7.2	7.7	8.3	8.6	8.0	7.3	6.0	5.1	5.9	6.3	5.7	6.2	6.2	
Columbus, Ohio.	5.9	6.2	6.1	5.5	6.0	5.7	5.3	6.0	7.6	8.0	9.0	9.5	10.3	10.2	9.8	9.2	7.6	7.5	8.0	7.5	7.4	7.6		
Concordia, Kans.	7.8	8.2	8.5	7.5	6.9	5.8	4.7	4.2	5.8	8.0	9.2	9.5	10.1	10.1	10.1	10.8	10.5	10.1	9.2	7.8	6.7	6.8	6.9	8.0
Corpus Christi, Tex.	11.2	9.8	8.5	7.8	7.1	6.5	6.6	7.5	8.5	9.2	10.0	10.6	11.9	13.7	14.2	14.3	14.6	14.7	15.0	14.5	14.4	13.6	12.8	11.0
Davenport, Iowa.	7.0	7.0	7.5	7.2	6.9	6.0	6.5	6.6	7.8	8.3	9.7	9.8	10.2	10.1	10.6	10.1	9.4	7.9	6.9	6.5	6.7	6.6	7.9	
Denver, Colo.	6.2	6.6	6.1	5.8	6.4	6.5	5.3	5.6	5.6	5.2	5.7	5.7	6.9	7.5	7.3	7.7	7.9	9.0	8.3	8.5	8.8	8.5	7.4	6.9
Des Moines, Iowa.	6.9	6.8	5.9	5.6	5.1	5.2	4.9	5.2	5.8	7.6	9.2	10.0	10.9	10.8	10.8	10.8	10.6	11.9	9.6	8.3	7.4	7.0	7.7	
Detroit, Mich.	8.6	8.1	8.2	8.2	8.6	9.0	8.5	8.7	9.4	10.5	11.7	12.1	12.4	12.7	12.5	12.8	12.0	11.1	9.0	8.9	9.0	8.4	8.5	9.9
Dodge City, Kans.	10.3	10.7	10.5	11.6	10.5	9.8	9.3	9.7	10.5	12.8	14.7	15.1	15.4	15.7	15.6	15.5	16.1	16.1	15.3	12.3	9.9	10.4	11.2	
Duluth, Minn.	5.4	5.5	5.2	5.0	5.6	5.4	4.9	4.7	5.3	6.1	6.8	7.6	8.0	8.3	8.5	8.4	7.7	7.3	5.5	5.3	5.4	5.7	6.3	
Eastport, Me.	7.2	7.0	6.5	6.7	7.4	6.8	6.8	8.1	8.5	8.7	10.0	10.1	10.8	10.9	10.3	8.7	9.0	9.1	8.5	8.5	7.9	8.5		
El Paso, Tex.	9.1	9.0	9.2	9.9	9.9	8.8	8.4	8.5	8.7	8.1	10.1	11.1	11.4	11.0	12.5	12.8	13.0	11.9	11.3	10.1	7.8	7.6	10.0	
Erie, Pa.	11.0	11.2	11.5	11.6	11.6	10.9	10.5	10.7	11.1	10.8	10.8	10.8	10.9	11.4	11.1	10.4	9.2	8.4	8.8	9.7	10.0	10.9	11.1	10.6
Eureka, Cal.	4.6	4.1	4.0	3.5	3.8	4.2	3.9	3.7	3.4	2.9	2.7	3.7	4.7	4.7	4.4	3.5	3.0	12.3	13.4	11.9	9.1	6.5	5.2	6.6
Fort Canby, Wash.	12.2	11.7	11.8	11.9	12.3	11.2	11.6	11.7	12.5	13.0	13.1	14.9	15.8	16.1	16.6	16.8	15.9	15.8	15.3	15.0	14.9	13.8		
Fort Smith, Ark.	5.3	5.4	5.5	5.3	5.7	5.7	4.9	6.1	6.4	6.5	6.6	6.1	6.4	7.1	6.8	7.5	7.6	7.4	6.0	5.8	6.2	5.7	6.2	
Fresno, Cal.	8.0	8.6	7.5	6.7	6.4	6.4	5.5	5.6	8.0	8.6	9.0	9.5	9.8	9.5	9.5	9.5	9.5	9.0	8.0	7.9	7.1	8.4	6.1	
Galveston, Tex.	8.7	8.6	8.7	8.7	8.4	9.0	9.0	8.7	8.1	9.1	9.5	9.1	9.6	9.6	9.2	9.3	9.3	8.8	9.0	8.6	8.1	8.4	8.3	8.5
Grand Haven, Mich.	7.6	8.4	7.9	8.3	8.7	8.7	9.2	9.1	10.5	11.7	11.9	12.1	12.1	12.4	12.7	12.8	12.0	11.1	9.0	8.9	9.9	9.8	9.4	
Green Bay, Wis.	5.9	5.9	6.7	7.1	6.9	6.8	6.9	6.8	6.9	8.3	9.3	9.3	10.2	10.7	10.6	10.2	9.0	9.2	8.5	8.5	8.5	8.5	7.8	
Hannibal, Mo.	8.1	7.0	7.0	6.2	5.8	6.8	6.2	6.4	7.7	8.6	9.4	9.8	10.2	10.5	11.0	10.2	9.7	9.7	8.7	7.7	7.7	7.7	8.1	
Harrisburg, Pa.	4.5	4.3	4.1	4.2	4.3	4.2	4.2	4.7	5.7	6.8	7.6	8.7	9.1	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	5.6
Hatteras, N. C.	10.6	10.1	9.8	10.0	9.8	9.5	10.5	11.5	11.8	12.4	12.9	12.8	12.4	12.6	11.6	11.3	11.3	11.3	11.4	11.2	11.2	11.3	11.3	
Havre, Mont.	6.7	7.0	6.9	6.5	7.1	7.0	7.1	7.4	8.6	9.0	10.7	13.1	14.1	14.7	14.7	13.4	12.5	11.5	11.1	9.8	9.1	8.0	9.1	
Helena, Mont.	8.6	8.1	8.3	7.7	7.1	6.4	6.3	5.3	5.1	6.0	6.5	7.9	8.0	8.7	9.7	10.3	10.1	9.6	9.8	8.1	8.6	9.1	8.0	
Huron, S. Dak.	13.7	13.6	13.2	12.7	12.8	12.9	12.1	12.1	12.7	13.6	15.0	16.0	16.0	16.7	17.0	17.0	16.8	15.9	15.8	15.8	15.0	14.9	15.3	
Idaho Falls, Idaho.	9.2	8.2	7.5	8.5	8.5	7.6	8.0	7.0	7.7	8.5	9.2	11.1	11.1	11.1	11.5	11.5	11.5	11.5	10.8	10.8	10.8	10.1	9.9	
Indianapolis, Ind.	4.4	4																						

TABLE VII.—Average wind movement, etc.—Continued.

Stations.	Wind Movement.												Wind Movement.												Midnight.	Mean.
	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	12 a.m.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.			
Palestine, Tex.....	4.2	4.2	4.1	3.9	3.9	3.3	3.1	3.3	4.5	5.4	6.1	5.9	5.9	5.8	5.7	5.7	5.5	5.8	4.9	3.6	3.9	4.4	4.5	4.5	4.7	
Parkersburg, W. Va....	3.1	2.9	2.8	2.9	2.8	3.0	3.3	3.4	4.5	5.3	5.3	5.0	5.4	5.1	4.9	4.9	4.9	3.3	3.9	3.5	3.2	3.1	4.1	4.1		
Pensacola, Fla.....	8.3	8.5	8.9	9.3	10.2	9.5	9.9	9.8	9.0	10.5	11.3	10.6	10.6	10.2	11.1	11.4	11.4	9.5	9.1	8.7	8.2	7.4	9.4	9.7		
Philadelphia, Pa.....	7.7	8.1	8.1	8.1	8.0	7.6	7.3	9.6	10.2	10.6	11.0	11.5	11.8	12.2	12.2	12.3	11.3	9.9	9.3	9.4	8.8	8.4	9.7	9.7		
Pierre, S. Dak.....	8.3	7.6	7.0	6.7	7.2	6.5	6.3	6.9	6.6	9.2	11.6	12.2	13.6	13.9	14.2	14.5	14.5	14.3	13.3	11.9	10.7	9.9	9.7	10.4		
Pikes Peak, Colo.....	24.7	25.3	25.5	26.9	29.1	28.3	29.2	28.0	25.6	23.0	20.4	19.6	16.6	16.0	15.9	16.3	17.8	20.2	21.5	23.7	25.1	22.4	22.4	22.7		
Pittsburg, Pa.....	4.0	4.1	4.1	3.9	4.3	4.0	4.2	4.6	6.1	6.4	6.6	7.3	7.0	7.9	7.7	8.6	7.3	6.8	6.2	6.1	5.4	4.6	4.3	5.3		
Port Angeles, Wash....	3.9	4.5	4.1	4.2	4.0	4.0	4.6	4.3	4.5	4.0	3.0	3.9	4.6	5.4	5.5	6.0	5.9	5.6	6.1	5.7	4.8	4.7	3.4	4.6		
Port Huron, Mich....	9.7	9.6	10.1	9.9	9.8	9.2	9.8	9.9	9.8	10.9	11.9	12.6	13.4	13.2	12.4	12.4	12.3	11.8	10.6	9.4	9.1	8.9	9.4	10.6		
Portland, Me.....	5.1	5.1	5.3	5.5	5.1	5.0	5.6	5.7	5.5	6.2	6.5	7.4	8.0	8.3	8.0	7.8	6.6	6.6	5.7	5.8	4.9	4.4	4.5	6.0		
Portland, Oreg.....	9.3	9.2	9.3	8.4	8.3	8.2	7.9	8.0	7.8	6.5	7.3	7.8	9.1	9.7	10.4	11.3	10.6	10.8	10.2	10.3	11.5	10.4	10.1	9.3		
Pueblo, Colo.....	7.1	6.7	6.3	5.8	5.4	4.5	4.3	4.2	4.2	4.8	5.6	6.8	7.9	8.0	8.0	8.0	9.4	10.2	10.4	9.5	8.6	8.4	7.6	7.1		
Raleigh, N. C.....	4.9	5.1	4.8	5.1	5.4	5.3	5.4	5.8	6.5	6.9	7.5	6.8	6.8	6.7	6.2	5.3	5.1	4.9	5.0	4.9	5.0	4.8	5.7	5.7		
Rapid City, S. Dak....	7.8	7.2	7.4	7.1	6.9	7.1	7.2	8.8	11.4	13.2	14.5	15.1	15.0	14.1	13.8	13.4	12.0	9.9	8.2	7.3	8.1	8.3	9.9	9.9		
Red Bluff, Cal.....	6.9	6.3	6.4	6.8	6.4	6.1	5.9	6.0	6.6	7.0	9.2	9.3	8.8	9.1	8.9	8.8	8.8	8.6	8.6	7.6	8.2	8.0	7.7	7.7		
Rochester, N. Y.....	5.4	5.8	5.6	6.1	6.0	5.7	6.0	6.0	6.5	7.7	7.5	7.8	8.5	8.3	8.4	8.1	7.5	6.1	5.0	5.7	5.6	5.2	5.6	6.5		
Roseburg, Oreg.....	1.7	1.7	1.3	1.2	1.3	1.4	1.2	1.0	1.0	1.2	1.2	1.4	3.1	3.8	4.4	5.0	5.9	6.7	7.4	6.9	6.0	4.4	3.3	3.1	3.1	
Sacramento, Cal.....	9.9	9.0	9.6	10.1	9.8	9.0	8.2	7.4	7.8	8.3	7.5	8.2	8.6	8.9	9.1	9.5	9.8	10.1	9.5	9.0	8.9	9.0	10.1	9.0		
St. Louis, Mo.....	9.9	9.7	9.2	9.2	8.9	8.1	7.5	7.6	8.2	9.0	9.9	9.6	10.8	11.0	11.5	12.2	11.7	10.5	10.5	9.6	9.4	9.9	10.2	9.7		
St. Paul, Minn.....	7.7	7.5	6.9	6.3	5.9	5.7	5.7	5.3	6.3	7.9	8.7	10.3	10.9	10.7	11.1	11.2	11.0	10.5	9.8	7.8	7.4	8.1	7.9	7.6		
St. Vincent, Minn....	8.2	7.9	7.9	8.5	7.9	7.2	7.0	6.9	8.4	10.2	11.5	12.2	12.4	13.1	12.5	13.0	12.9	12.2	10.1	8.2	7.8	8.5	8.2	9.6		
Salt Lake City, Utah....	5.0	4.5	5.1	5.0	4.8	4.7	5.1	5.1	4.3	4.4	4.0	5.0	5.5	5.5	5.7	5.9	5.7	6.0	6.2	5.9	5.3	6.1	5.6	5.6		
San Antonio, Tex....	5.1	4.7	3.9	3.6	3.4	3.6	3.3	3.6	3.6	5.3	6.3	6.6	6.2	6.5	6.7	6.8	7.3	7.5	6.8	6.6	6.7	6.5	6.3	5.6		
San Diego, Cal....	2.5	2.7	2.5	2.6	2.8	2.8	2.5	2.9	3.1	2.9	2.9	4.4	6.6	8.4	9.6	10.4	10.1	9.5	8.4	7.1	6.1	4.7	3.6	5.1		
Sandusky, Ohio.....	7.4	6.9	7.0	6.9	6.3	6.1	6.9	6.8	7.2	7.4	8.5	9.3	8.8	8.3	8.2	7.7	7.8	7.2	6.8	6.6	6.4	7.4	7.4	7.4		
San Francisco, Cal....	10.1	9.7	8.0	7.7	7.5	6.9	6.0	6.2	6.4	6.2	6.7	7.2	8.0	9.4	11.8	14.5	17.7	21.6	22.4	23.1	19.3	14.6	11.8	11.9		
San Luis Obispo, Cal....	3.2	3.5	3.0	2.7	2.7	2.6	2.9	3.4	3.6	3.7	3.9	4.4	5.3	6.2	7.6	9.1	10.3	10.4	10.0	9.3	7.5	5.9	4.6	3.5		
Santa Fe, N. Mex....	5.6	5.5	5.4	5.0	4.5	3.9	3.8	3.7	4.3	5.5	5.5	6.5	6.2	6.5	6.7	7.3	7.9	5.5	6.0	6.8	6.8	6.5	6.5	6.5		
Sault Ste. Marie, Mich....	4.1	4.7	4.8	5.2	5.2	5.6	5.8	5.9	5.5	5.7	7.9	9.1	10.2	10.9	11.5	12.4	12.7	12.1	11.1	9.0	7.6	6.2	5.6	7.7		
Savannah, Ga.....	6.4	6.0	6.0	6.0	6.5	6.5	7.0	8.0	8.9	9.9	10.6	11.3	11.8	11.9	11.7	10.9	9.8	7.9	7.8	7.4	6.7	6.8	6.8	6.3		
Seattle, Wash.....	5.3	4.9	5.6	5.5	5.7	5.4	5.2	5.4	5.0	4.6	4.7	5.5	6.2	6.4	6.8	7.1	8.1	8.5	8.0	7.7	7.1	6.0	5.7	6.1		
Shreveport, La.....	4.3	4.4	4.6	4.5	4.2	3.7	4.0	4.0	4.6	5.2	5.5	5.7	6.1	5.8	6.2	5.8	6.1	6.1	5.6	4.6	4.8	5.1	4.6	5.0		
Sioux City, Iowa....	10.1	9.8	8.9	8.5	8.0	7.5	7.7	8.5	10.2	12.2	13.6	14.7	15.1	14.9	15.5	15.5	14.4	13.0	12.1	11.6	11.2	11.3	11.4	11.4		
Southport, N. C.*....	9.6	9.2	8.3	8.1	8.9	8.5	9.0	9.6	10.2	10.3	11.4	11.7	12.6	11.9	12.1	12.1	12.0	10.8	10.1	10.2	10.5	9.8	10.0	10.3		
Spokane, Wash....	5.9	5.2	5.6	5.8	5.7	6.3	5.7	5.4	5.1	5.9	6.0	7.2	8.1	8.7	9.0	9.4	9.2	8.9	8.3	7.1	6.4	5.7	7.0	7.0		
Springfield, Ill.....	7.7	7.8	8.2	7.6	7.3	7.4	7.7	7.6	8.2	8.6	9.6	10.1	10.8	11.2	10.5	10.8	10.7	9.9	7.7	7.5	7.8	7.3	7.6	8.6		
Springfield, Mo....	9.3	9.0	8.8	8.6	8.7	8.0	8.1	8.5	9.0	10.7	11.2	11.6	11.1	10.6	11.1	10.7	11.0	10.6	9.3	8.5	8.8	9.3	9.3	9.7		
Tampa, Fla.....	5.4	5.3	5.3	4.9	4.7	5.0	5.0	5.6	6.6	7.5	7.8	8.7	9.0	8.8	8.9	8.4	7.9	7.2	5.8	6.0	6.1	5.9	5.5	6.7		
Tatoosh Island, Wash....	10.5	10.5	10.4	10.4	10.9	12.7	11.6	12.8	12.5	12.8	13.1	14.1	12.5	12.6	13.0	13.8	14.3	14.1	14.0	12.7	12.8	12.6	12.4	12.0		
Titusville, Fla.....	10.7	10.4	10.7	10.3	10.0	8.9	9.2	8.8	11.2	12.2	13.6	14.1	15.4	15.7	15.8	17.0	16.6	15.1	14.4	13.6	13.4	13.0	12.3	12.6		
Toledo, Ohio.....	7.7	7.7	7.9	7.6	7.4	8.3	8.0	7.5	8.5	9.7	10.6	11.5	12.5	12.0	12.1	11.8	11.5	10.2	8.4	7.2	7.0	6.6	6.6	7.5		
Tucson, Ariz.....	4.6	4.4	4.0	4.1	3.7	4.1	4.4	4.1	4.3	4.7	5.5	5.5	7.4	7.8	7.7	7.8	7.7	6.7	5.7	5.0	5.4	5.1	4.4	4.0		
Valentine, Nebr.....	10.9	9.8	9.4	9.6	8.6	8.4	8.8	8.2	8.1	10.1	12.4	14.9	16.4	16.1	16.7	17.0	17.2	17.1	16.5	14.5	12.6	11.2	10.8	12.3		
Vicksburg, Miss....	4.3	4.7	4.4	4.6	4.6	4.8	4.9	4.8	4.7	4.8	4.6	5.4	5.4	6.3	6.2	6.6	6.1	6.0	5.8	4.5	4.2	4.8	5.1	5.0		
Vineyard Haven, Mass....	7.9	7.9	7.8	7.5	7.8	7.8	7.6	8.9	9.6	10.6	10.9	10.8	11.0	10.7	10.6	10.1	9.2	9.1	8.7	8.6	8.5	8.6	8.7			
Walla Walla, Wash....	5.7	5.9	5.7	5.3	5.2	5.5	5.1	5.2	5.0	5.4	5.5	6.7	7.6	7.5	7.6	7.3	7.3	7.6	7.1	7.4	6.6	6.4	5.9	6.3		
Washington, D. C....	3.9	4.0	4.0	4.1	4.3	4.1	4.3	4.7	5.5	5.5	5.3	5.4	5.5	5.7	5.4	5.7	5.0	5.4	5.1	4.4	4.0	5.6	4.0	5.6		
Wichita, Kans.....	8.5	7.9	8.7	8.2	8.5	8.3	7.5	7.4	9.3	9.9	11.0	10.9	11.0	11.1	11.0	10.6	10.3	9.0	7.7	7.3	7.3	7.6	8.9	9.0		
Williston, N. Dak....	6.0	5.6	5.7	5.8	6.8	6.1	6.9	7.6	8.0																	

TABLE VIII.—*Pervailing and resultant winds from self-registers for September, 1894.*

Number.	Station.	Prevailing wind.		Total movement.		Resultant direction.			Resultant movement.		Azimuth of movement minus direction.	Ratio of resultant movement to total movement.
		Direction from.	Duration.	Monthly.	Hourly average.	Direction from.	Duration.	Average hourly velocity.	Direction from.	Amount.		
(1)	(2)	(3) Hours.	(4) Miles.	(5) Miles.	(6)	(7) Hours.	(8) Miles.	(9)	(10)	(11) Miles.	(12) °	(12)
1 Eastport, Me.	s. sw.	170	6,126	8.5	s. 66 w.	196	4.6	s. 56 w.	901	— 10	0.147	
2 Portland, Me.	s. s.	145	4,324	6.0	s. 36 w.	135	7.2	s. 11 w.	979	— 25	0.226	
3 Boston, Mass.	sw. s.	153	6,640	9.2	n. 66 w.	79	11.4	n. 86 w.	903	— 20	0.136	
4 Nantucket, Mass.	w. s.	211	7,264	10.1	s. 42 w.	168	9.0	s. 8 e.	1,505	— 50	0.207	
5 New Haven, Conn.	sw. s.	168	5,350	7.4	s. 49 w.	20	27.5	n. 54 e.	550	— 175	0.103	
10 Albany, N. Y.	s. s.	269	4,155	5.8	s. 28 w.	179	9.0	s. 19 w.	1,610	— 9	0.388	
11 New York, N. Y.	ne. s.	171	6,847	9.5	s. 18 w.	79	6.1	n. 54 e.	478	— 144	0.698	
13 Philadelphia, Pa.	sw. s.	160	6,967	9.7	s. 8 w.	45	20.7	n. 49 e.	932	— 148	0.134	
15 Baltimore, Md.	ne. s.	139	4,731	6.6	s. 81 e.	103	11.3	n. 64 e.	1,161	— 35	0.245	
16 Washington, D. C.	ne. s.	156	4,066	5.6	s. 68 e.	166	8.7	n. 59 e.	943	— 53	0.227	
17 Lynchburg, Va.	ne. s.	192	2,853	4.0	n. 38 e.	157	6.2	n. 36 e.	969	— 2	0.340	
18 Norfolk, Va.	ne. s.	204	5,707	7.9	e. 249	8.3	n. 82 e.	2,076	— 8	0.364		
24 Wilmington, N. C.	ne. s.	185	5,610	7.8	n. 86 e.	131	14.0	n. 62 e.	1,830	— 24	0.324	
26 Augusta, Ga.	e. s.	131	2,686	3.7	n. 51 e.	201	5.0	n. 41 e.	1,000	— 10	0.372	
27 Savannah, Ga.	ne. s.	207	5,959	8.3	n. 89 e.	155	11.2	n. 46 e.	1,735	— 43	0.291	
28 Jacksonville, Fla.	ne. s.	250	5,602	7.8	n. 67 e.	202	9.1	n. 44 e.	1,845	— 23	0.330	
30 Key West, Fla.	e. s.	200	6,809	9.5	s. 62 e.	311	7.3	s. 72 e.	2,269	— 10	0.333	
33 Atlanta, Ga.	ne. s.	168	6,173	8.6	n. 48 e.	193	10.5	n. 42 e.	2,021	— 6	0.327	
35 Vicksburg, Miss.	se. s.	155	3,663	5.1	n. 63 e.	199	4.5	n. 76 e.	880	+ 13	0.243	
39 New Orleans, La.	ne. s.	208	4,782	6.6	n. 65 e.	341	7.6	n. 54 e.	2,601	— 11	0.544	
42 Little Rock, Ark.	s. s.	140	3,825	5.3	s. 56 e.	140	4.8	n. 82 e.	678	— 42	0.177	
44 Galveston, Tex.	se. s.	220	6,399	8.9	s. 55 e.	349	8.6	s. 65 e.	3,013	— 10	0.470	
48 Knoxville, Tenn.	ne. s.	183	3,295	4.5	n. 13 e.	59	7.4	n. 5 e.	448	— 13	0.140	
49 Memphis, Tenn.	se. s.	164	4,387	6.1	s. 11 e.	58	15.0	s. 62 e.	870	— 51	0.198	
50 Nashville, Tenn.	s. s.	110	3,875	6.0	s. 40 w.	60	4.7	s. 25 w.	233	— 15	0.073	
52 Louisville, Ky.	s. s.	173	4,799	6.7	s. 44 e.	110	2.4	s. 11 e.	262	+ 33	0.054	
53 Indianapolis, Ind.	s. s.	188	4,027	5.6	s. 62 e.	150	5.6	s. 16 w.	837	+ 16	0.208	
54 Cincinnati, Ohio.	se. s.	166	4,641	6.4	s. 62 e.	153	1.6	s. 31 w.	247	+ 93	0.053	
55 Columbus, Ohio.	e. s.	114	5,508	7.6	s. 50 e.	59	11.2	s. 35 w.	662	+ 85	0.120	
56 Pittsburgh, Pa.	se. s.	153	4,148	5.8	s. 36 e.	113	8.2	s. 8 w.	933	+ 44	0.225	
58 Buffalo, N. Y.	sw. s.	188	6,805	9.5	s. 58 w.	163	15.8	s. 76 w.	2,580	+ 18	0.364	
60 Rochester, N. Y.	sw. s.	205	4,674	8.5	s. 29 w.	268	7.8	s. 47 w.	2,080	+ 18	0.445	
62 Cleveland, Ohio.	se. s.	242	9,092	12.6	s. 66 e.	128	4.7	s. 13 e.	599	+ 53	0.066	
64 Toledo, Ohio.	e. s.	159	6,487	9.0	s. 13 w.	62	15.1	s. 60 w.	935	+ 47	0.144	
65 Detroit, Mich.	sw. s.	258	7,116	9.9	s. 43 w.	170	14.5	s. 56 w.	2,408	+ 13	0.347	
66 Alpena, Mich.	se. s.	209	6,053	8.4	s. 25 w.	217	9.5	s. 31 w.	2,061	+ 6	0.340	
67 Grand Haven, Mich.	sw. s.	212	6,772	9.4	s. 26 w.	219	10.9	s. 52 w.	2,381	+ 26	0.352	
68 Marquette, Mich.	s. s.	162	8,415	11.7	s. 48 w.	289	15.6	s. 40 w.	4,502	— 8	0.535	
70 Sault Ste. Marie, Mich.	se. s.	348	5,564	7.7	s. 44 e.	244	3.5	s. 25 e.	844	+ 19	0.152	
71 Chicago, Ill.	s. s.	175	11,680	16.2	s. 33 w.	172	27.6	s. 20 w.	4,743	— 13	0.406	
72 Milwaukee, Wis.	s. s.	155	6,910	9.6	s. 14 w.	278	9.5	s. 22 w.	2,648	+ 8	0.383	
74 Duluth, Minn.	nw. s.	162	4,533	6.3	n. 60 w.	181	11.7	n. 66 w.	2,114	— 6	0.466	
75 Moorhead, Minn.	s. s.	226	9,144	12.7	s. 59 w.	192	11.9	s. 28 w.	2,251	— 31	0.249	
77 Bismarck, N. Dak.	nw. s.	249	7,580	10.5	s. 48 w.	195	11.1	n. 48 w.	2,165	— 0	0.286	
79 Saint Paul, Minn.	se. s.	273	5,943	8.3	s. 1 e.	250	8.9	s.	2,286	+ 1	0.385	
81 Davenport, Iowa.	s. s.	180	5,677	7.9	s. 1 e.	208	6.8	s. 15 w.	1,405	+ 16	0.247	
82 Des Moines, Iowa.	s. s.	237	5,557	7.7	s. 31 w.	192	10.6	s. 30 w.	2,031	— 1	0.365	
88 Saint Louis, Mo.	s. s.	237	7,029	9.8	s. 12 e.	193	11.0	s. 1 e.	2,133	+ 11	0.303	
90 Kansas City, Mo.	se. s.	292	5,767	8.0	s. 49 e.	303	8.6	s. 42 e.	2,600	+ 7	0.451	
92 Omaha, Nebr.	se. s.	281	5,809	8.1	s. 34 e.	227	11.7	s. 36 e.	2,652	— 2	0.456	
96 Huron, S. Dak.	se. s.	259	11,051	15.3	s. 87 w.	129	27.5	s. 16 e.	3,544	+ 103	0.321	
98 Havre, Mont.	w. s.	237	7,030	9.8	s. 85 w.	438	10.8	s. 89 w.	4,713	— 4	0.670	
100 Helena, Mont.	sw. s.	298	5,768	8.0	s. 74 w.	468	9.0	s. 70 w.	4,236	— 4	0.734	
106 Colorado Springs, Colo.	n. s.	284	5,392	8.9	n. 21 e.	153	6.4	n. 17 e.	938	+ 4	0.154	
107 Denver, Colo.	s. s.	193	4,967	6.9	s. 12 e.	157	6.4	s. 20 e.	1,012	— 8	0.204	
108 Pikes Peak, Colo.	w. s.	213	16,152	22.4	s. 72 w.	323	31.3	s. 69 w.	10,118	— 3	0.626	
111 Dodge City, Kans.	s. s.	217	8,929	12.4	s. 44 e.	306	15.1	s. 27 e.	4,630	+ 17	0.518	
114 Abilene, Tex.	s. s.	271	6,713	9.3	s. 13 e.	317	10.2	s. 4 e.	3,219	+ 9	0.480	
116 El Paso, Tex.	ne. s.	181	7,236	10.0	n. 9 e.	134	10.5	n. 28 w.	1,412	+ 37	0.195	
117 Santa Fe, N. Mex.	sw. s.	157	4,652	6.5	s. 45 e.	44	12.1	s. 6 w.	534	+ 51	0.115	
119 Yuma, Ariz.	ne. s.	116	4,064	5.6	n. 38 e.	29	14.3	s. 77 w.	416	+ 141	0.102	
122 Salt Lake City, Utah.	se. s.	207	4,401	6.1	s. 42 e.	98	4.6	s. 16 w.	436	+ 58	0.104	
125 Spokane, Wash.	s. s.	197	5,014	7.0	s. 7 w.	247	11.4	s. 21 w.	2,825	+ 14	0.563	
130 Seattle, Wash.	se. s.	326	4,417	6.1	s. 48 e.	239	10.3	s. 48 e.	2,470	— 0	0.559	
132 Portland, Oregon.	nw. s.	267	6,704	9.3	w.	273	9.5	s. 73 w.	2,606	— 17	0.339	
133 Roseburg, Oregon.	nw. s.	159	2,252	3.1	n. 39 w.	144	6.3	n. 48 w.	906	— 9	0.402	
137 San Francisco, Cal.	sw. s.	526	8,564	11.0	s. 43 w.	563	13.6	s. 46 w.	7,659	+ 3	0.894	
140 San Diego, Cal.	nw. s.	253	3,675	5.1	n. 74 w.	467	5.8	n. 79 w.	2,694	— 5	0.733	

TABLE IX.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during September, 1894.

Number.	Station.	Component direction from—				Resultant.		Number.	Station.	Component direction from—				Resultant.	
		N.	S.	E.	W.	Direction from—	Duration.			N.	S.	E.	W.	Direction from—	Duration.
1	New England.	Hours.	Hours.	Hours.	Hours.	o	Hours.	72	Upper Lake Region—Cont'd.	Hours.	Hours.	Hours.	Hours.	o	Hours.
1	Eastport, Me.	15	21	11	27	s. 69 w.	17	72	Milwaukee, Wis.	7	32	14	18	s. 9 w.	25
2	Portland, Me.	16	20	13	23	s. 68 w.	11	73	Green Bay, Wis.	9	35	9	19	s. 21 w.	28
3	Northfield, Vt.	8	42	4	12	s. 13 w.	35	74	Duluth, Minn.	20	9	13	29	n. 56 w.	19
4	Boston, Mass.	16	16	16	28	w. . .	12		North Dakota.						
5	Nantucket, Mass.	9	22	16	24	s. 32 w.	15	75	Moorehead, Minn.	21	25	9	17	s. 63 w.	9
6	Woods Hole, Mass.	4	17	7	12	s. 21 w.	14	76	Saint Vincent, Minn.	23	15	13	23	n. 51 w.	13
7	Block Island, R. I.	14	17	19	25	s. 63 w.	7	77	Bismarck, N. Dak.	25	10	12	24	n. 39 w.	19
8	New Haven, Conn.	23	16	17	21	n. 30 w.	8	78	Williston, N. Dak.	17	18	8	28	s. 87 w.	20
9	New London, Conn.	22	23	13	18	s. 79 w.	5		Upper Mississippi Valley.						
10	Middle Atlantic States.							79	Saint Paul, Minn.	5	27	24	19	s. 13 e.	23
10	Albany, N. Y.	17	29	7	15	s. 34 w.	14	80	Lake Crosse, Wis.	6	41	6	15	s. 14 w.	36
11	New York, N. Y.	20	24	14	16	s. 27 w.	4	81	Davenport, Iowa.	11	28	21	14	s. 22 e.	18
12	Harrisburg, Pa.	15	14	29	10	n. 87 e.	19	82	Des Moines, Iowa.	17	27	9	18	s. 42 w.	14
13	Philadelphia, Pa.	18	21	17	18	s. 18 w.	3	84	Keokuk, Iowa.	16	28	18	14	s. 18 e.	13
14	Atlantic City, N. J.	16	20	17	22	s. 51 w.	6	85	Cairo, Ill.	21	25	20	8	s. 72 e.	13
15	Baltimore, Md.	21	17	23	15	n. 63 e.	9	88	Springfield, Ill.	15	31	13	11	s. 7 e.	16
16	Washington, D. C.	24	19	22	11	n. 66 e.	12	87	Hammond, Mo.	12	28	15	16	s. 3 w.	16
17	Lynchburg, Va.	23	12	26	11	s. 54 e.	19	88	Saint Louis, Mo.	17	31	17	8	s. 33 e.	17
18	Norfolk, Va.	18	17	30	10	n. 87 e.	20		Missouri Valley.						
19	South Atlantic States.							89	Columbia, Mo.	5	13	16	4	s. 56 e.	14
19	Charlotte, N. C.	16	18	28	15	s. 81 e.	13	90	Kansas City, Mo.	13	30	27	6	s. 51 e.	27
20	Hatteras, N. C.	18	16	30	11	n. 84 e.	19	91	Springfield, Mo.	11	31	33	1	s. 58 e.	38
21	Kittyhawk, N. C.	19	18	30	8	s. 87 e.	22	92	Omaha, Nebr.	13	33	20	8	s. 31 e.	23
22	Raleigh, N. C.	25	15	19	13	n. 31 e.	12	93	Valentine, Nebr.	25	21	6	18	s. 72 w.	13
23	Southport, N. C.	15	14	22	14	s. 83 e.	8	94	Sioux City, Iowa.	19	29	13	7	s. 31 e.	12
24	Wilmington, N. C.	18	18	23	14	e. . .	9	95	Pierre, S. Dak.	21	25	17	11	s. 56 e.	7
25	Charleston, S. C.	18	16	30	12	n. 84 e.	18	96	Huron, S. Dak.	15	27	18	15	s. 14 e.	12
26	Augusta, Ga.	21	12	26	12	n. 57 e.	17		Northern Slope.						
27	Savannah, Ga.	21	17	24	11	n. 73 e.	14	98	Havre, Mont.	15	12	5	40	n. 85 w.	35
28	Jacksonville, Fla.	21	14	27	12	n. 65 e.	17	99	Miles City, Mont.	18	17	18	19	n. 45 w.	1
29	Florida Peninsula.							100	Heleena, Mont.	10	19	3	41	s. 77 w.	39
30	Jupiter, Fla.	7	24	27	13	s. 39 e.	22	101	Rapid City, S. Dak.	21	16	9	22	n. 69 w.	14
31	Key West, Fla.	9	18	34	8	s. 71 e.	28	102	Cheyenne, Wyo.	26	11	5	30	n. 59 w.	29
32	Tampa, Fla.	21	10	31	13	n. 59 e.	21	103	Lander, Wyo.	13	26	7	29	s. 60 w.	26
32	Titusville, Fla.	6	22	33	12	s. 53 e.	26	105	North Platte, Nebr.	14	27	17	17	s. . .	13
33	Eastern Gulf States.								Middle Slope.						
33	Atlanta, Ga.	25	7	29	15	s. 38 e.	23	106	Colorado Springs, Colo.	31	16	7	10	n. 11 w.	15
34	Pensacola, Fla.	28	13	22	14	n. 28 e.	17	107	Denver, Colo.	15	28	17	12	s. 21 e.	14
35	Mobile, Ala.	32	14	8	13	n. 16 w.	19	108	Pikes Peak, Colo.	12	18	5	34	s. 78 w.	30
36	Montgomery, Ala.	24	8	27	10	n. 47 e.	23	109	Pueblo, Colo.	17	16	18	26	n. 83 w.	8
37	Meridian, Miss.	29	13	25	8	n. 47 e.	23	110	Concordia, Kans.	10	34	15	7	s. 18 e.	25
38	Vicksburg, Miss.	24	17	23	4	n. 74 e.	25	111	Dodge City, Kans.	13	32	20	6	s. 36 e.	24
39	New Orleans, La.	27	12	32	7	n. 59 e.	29	112	Wichita, Kans.	14	36	21	3	s. 39 e.	28
40	Western Gulf States.							113	Oklahoma, Okla.	14	32	4	1	s. 52 e.	29
40	Shreveport, La.	17	31	18	5	s. 43 e.	19		Southern Slope.						
41	Fort Smith, Ark.	11	13	42	3	s. 87 e.	39	114	Abilene, Tex.	12	40	14	2	s. 23 e.	30
42	Littler Rock, Ark.	18	28	20	9	s. 48 e.	15	115	Amarillo, Tex.	14	34	9	6	s. 9 e.	20
43	Corpus Christi, Tex.	15	22	33	4	s. 76 e.	30		Southern Plateau.						
44	Galveston, Tex.	14	31	24	3	s. 51 e.	27	116	El Paso, Tex.	18	11	25	23	n. 16 e.	7
45	Palestine, Tex.	15	28	24	6	s. 54 e.	22	117	Santa Fe, N. Mex.	18	20	24	18	s. 72 e.	6
46	San Antonio, Tex.	13	21	31	5	s. 73 e.	27	118	Tucson, Ariz.	11	28	17	21	s. 13 w.	18
47	Ohio Valley and Tennessee.							119	Yuma, Ariz.	21	15	15	21	n. 45 w.	8
47	Chattanooga, Tenn.	14	25	11	19	s. 36 w.	14		Middle Plateau.						
48	Knoxville, Tenn.	25	12	23	15	n. 32 e.	75		Carson City, Nev.	15	17	10	28	s. 84 w.	18
49	Memphis, Tenn.	20	23	10	8	s. 77 e.	13	121	Winnemucca, Nev.	18	20	11	28	s. 83 w.	17
50	Nashville, Tenn.	20	25	13	15	s. 22 w.	5	122	Salt Lake City, Utah.	18	19	21	17	s. 76 e.	4
51	Lexington, Ky.	8	31	15	16	s. 2 w.	23		Northern Plateau.						
52	Louisville, Ky.	20	26	21	9	s. 63 e.	13	123	Baker City, Oreg.	20	22	20	19	s. 27 e.	2
53	Indianapolis, Ind.	14	27	19	14	s. 21 e.	14	124	Idaho Falls, Idaho.	12	36	7	21	s. 30 w.	28
54	Cincinnati, Ohio.	17	19	27	13	s. 82 e.	14	125	Spokane, Wash.	8	26	13	23	s. 29 w.	21
55	Columbus, Ohio.	19	22	19	14	s. 59 e.	6	126	Walla Walla, Wash.	5	39	11	18	s. 12 w.	35
56	Pittsburg, Pa.	16	21	23	16	s. 54 e.	12	133	North Pacific Coast Region.						
57	Parkersburg, W. Va.	9	23	24	13	s. 38 e.	18	127	Fort Canby, Wash.	16	16	18	23	w. . .	5
58	Buffalo, N. Y.	18	20	15	21	s. 72 w.	6	129	Port Angeles, Wash.	6	25	12	27	s. 38 w.	24
59	Oswego, N. Y.	6	33	19	13	s. 13 e.	28	131	Tatoosh Island, Wash.	14	24	29	10	s. 62 e.	22
60	Rochester, N. Y.	10	26	16	24	s. 27 w.	18	132	Portland, Oreg.	2	35	20	18	s. 3 e.	33
61	Erie, Pa.	15	27	16	15	s. 5 e.	12	133	Roseburg, Oreg.	23	20	5	28	n. 83 w.	23
62	Cleveland, Ohio.	15	22	31	9	s. 72 e.	23		Middle Pacific Coast Region.						
63	Sandusky, Ohio.	10	27	20	18	s. 7 e.	17	134	Eureka, Cal.	20	17	11	24	n. 77 w.	13
64	Toledo, Ohio.	12	18	21	22	s. 9 w.	6	135	Red Bluff, Cal.	33	17	7	11	n. 14 w.	16
65	Detroit, Mich.	12	23	18	25	s. 32 w.	13	136	Sacramento, Cal.	20	29	7	20	s. 55 w.	16
66	Alpena, Mich.	12	24	15	25	s. 40 w.	16	137	San Francisco, Cal.	2	40	3	36	s. 41 w.	50
67	Grand Haven, Mich.	10	26	17	20	s. 11 w.	16		South Pacific Coast Region.						
68	Marquette, Mich.	10	28	7	24	s. 43 w.	25		Fresno, Cal.	28	7	13	31	n. 41 w.	28
69	Port Huron, Mich.	15	30	12	18	s. 22 w.	10		Los Angeles, Cal.	12	7	10	38	s. 80 w.	28
70	Sault Ste. Marie, Mich.	9	26	27	15	s. 35 e.	21		San Diego, Cal.	21	11	3	38	n. 74 w.	36
71	Chicago, Ill.	11	35	11	20	s. 21 w.	20		San Luis Obispo, Cal.	14	18	6	33	s. 82 w.	27

* Keeler discontinued and Carson City opened.

TABLE Xa.—Temperature data for selected voluntary stations, Sept., 1894.

State and station.	Normal for month.	Length of record.	Mean, Sept., 1894.	Departure from the normal.	Extreme monthly means.			
					Highest.	Year.	Lowest.	Year.
Arizona.	o	Years	o	o	o	1879	61.0	1884
Fort Apache	66.1	22	63.0	- 3.1	71.4	1879	59.9	1893
Whipple Barracks	66.1	23	62.0	- 4.1	74.4	1879		
Arkansas.								
Keesees Ferry.	71.0	13	70.1	- 0.9	76.4	1884	67.5	1883
California.								
Riverside	71.9	12	71.6	- 0.3	76.8	1883	65.5	1893
Colorado.								
Las Animas	65.5	12	64.1	- 1.4	67.6	1892	63.5	1883
Florida.								
Merritts Island	79.8	12	79.6	- 0.2	82.5	1882	78.0	1890
Georgia.								
Forsyth	76.4	20	77.7	+ 1.3	82.2	1884	72.8	1888
Idaho.								
Boise Barracks	61.1	20	59.2	- 1.9	68.0	1888	54.6	1884
Fort Sherman	56.5	11	56.4	- 0.1	58.6	1885, 91, 92	52.9	1881
Indiana.								
Lafayette	64.5	11	67.1	+ 2.6	69.7	1891	61.2	1883
Iowa.								
Cresco	59.0	21	62.9	+ 3.9	64.6	1891	54.3	1873
Kansas.								
Eureka Ranch	69.6	11	68.4	- 1.2	74.3	1884	67.1	1883
Independence	70.2	22	72.5	+ 2.3	74.9	1881	66.2	1889, 1890
Salina	70.3	11	.....	.....	77.3	1884	65.1	1890
Louisiana.								
Grand Coteau	77.3	11	77.1	- 0.2	81.6	1884	74.7	1890
Maine.								
Orono	56.8	23	59.2	+ 2.4	60.8	1891	52.3	1893
Maryland.								
Cumberland	62.5	23	68.3	+ 6.3	70.0	1881	59.3	1888
Michigan.								
Kalamazoo	62.3	18	64.9	+ 2.6	69.0	1881	55.2	1879
Missouri.								
Sedalia	70.0	10	69.4	- 0.6	75.9	1881	64.6	1890
Montana.								
Fort Custer	59.1	15	55.4	- 3.7	64.8	1892	54.0	1884
Nebraska.								
Fort Robinson	61.7	11	60.3	- 1.4	67.6	1891	56.1	1886
Genoa (near).	63.1	18	67.4	+ 4.3	67.4	1894	59.9	1883
Nevada.								
Carson City	60.5	17	56.8	- 3.7	65.1	1888	54.4	1893
New Hampshire.								
Hanover	55.9	23	60.3	+ 4.4	62.9	1881	53.0	1893
New Mexico.								
Fort Wingate	63.2	23	60.8	- 2.4	67.3	1879	58.2	1893
New York.								
Cooperstown	55.5	23	61.4	+ 5.9	66.7	1881	53.9	1871
Plattburg Barracks	59.0	23	61.9	+ 2.9	65.3	1881	53.8	1888
North Carolina.								
Lenoir	65.4	22	69.4	+ 4.0	71.1	1884	55.2	1878
Oklahoma.								
Fort Reno	71.8	10	74.1	+ 2.3	78.1	1884	68.4	1880
Fort Sill	72.9	23	74.9	+ 2.0	77.6	1884	68.8	1882
Fort Supply	70.0	13	70.6	+ 0.6	72.4	1893	66.6	1890
Oregon.								
Bandon	54.6	10	57.3	+ 2.7	57.3	1894	51.2	1886
Pennsylvania.								
Dyberry	57.8	21	62.3	+ 4.5	66.9	1881	51.8	1871
Grampian	60.5	23	64.9	+ 4.4	72.0	1881	54.2	1871
Wellboro	58.2	15	66.6	+ 2.4	73.8	1881	54.3	1883
South Carolina.								
Statesburg	72.5	13	74.8	+ 2.3	77.9	1881	69.9	1888
South Dakota.								
Fort Sully	62.6	23	65.0	+ 2.4	68.3	1891	57.3	1873
Texas.								
Austin	78.0	21	77.8	- 0.2	83.2	1884	70.3	1887
Silver Falls	73.3	8	72.0	- 1.3	75.9	1893	70.4	1890
Utah.								
Terrace	66.4	20	71.5	+ 5.1	78.5	1888	52.0	1884
Vermont.								
Strafford	59.5	21	59.1	- 0.4	64.4	1879	52.8	1893
Virginia.								
Dale Enterprise	66.9	11	66.7	- 0.2	72.9	1886	59.9	1890
Washington.								
Fort Townsend	57.1	19	55.8	- 1.3	63.5	1874	53.9	1884
Wisconsin.								
Madison	60.9	22	64.4	+ 3.5	67.0	1891	56.6	1883
Wyoming.								
Fort Washakie	57.0	11	53.4	- 3.6	59.9	1887	52.9	1889

State and station.	Normal for month.	Length of record.	Total, Sept., 1894.	Departure from the normal.	Extremes.			
					Greatest.	Least.	Amt.	Year.
Arizona.	Inches.	Years	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
Fort Apache	1.57	18	1.32	- 0.25	5.41	1.88	0.30	1880
Whipple Barracks	1.11	23	0.45	- 0.66	4.88	1.88	0.00	1874
Arkansas.								
Keesees Ferry.	4.26	13	3.11	- 1.15	12.08	1.89	0.33	1891
California.								
Riverside	0.10	14	0.00	- 0.10	0.71	1.89	0.00	*
Colorado.								
Las Animas	0.47	12	0.11	- 0.36	1.35	1.88	0.00	1890
Florida.								
Merritts Island	7.90	16	15.77	+ 7.87	23.78	1.87	2.88	1883
Georgia.								
Forsyth	3.43	20	1.96	- 1.47	8.69	1.88	0.10	1886
Idaho.								
Boise Barracks	0.45	21	0.40	- 0.05	2.26	1.89	T.	1886
Fort Sherman	1.14	10	2.30	+ 1.16	2.50	1.89	0.08	1882
Indiana.								
Lafayette	2.31	12	6.63	+ 4.32	6.63	1.89	0.30	1882
Iowa.								
Cresco	3.73	21	3.16	- 0.57	10.03	1.88	0.82	1888
Kansas.								
Independence	3.43	22	8.18	+ 4.75	9.71	1.88	0.27	1883
Salina	1.81	11	.....	.....	3.75	1.89	0.50	1888
Louisiana.								
Grand Coteau	3.26	10	5.01	+ 1.75	10.58	1.88	0.37	1888
Maine.								
Orono	3.55	23	3.40	- 0.15	6.97	1.88	0.95	1887
Maryland.								
Cumberland	2.87	23	1.74	- 1.13	8.50	1.88	0.40	1873
Kalamazoo	3.23	18	1.64	- 1.59	6.28	1.87	0.53	1882
Michigan.								
Sedalia	4.47	13	6.76	+ 2.29	10.54	1.88	0.68	1891
Montana.								
Fort Custer	0.77	15	1.41	+ 0.64	1.72	1.89	0.03	1879
Nebraska.								
Fort Robinson	0.46	10	1.16	+ 0.70	1.52	1.89	0.00	1890
Georga (near).	2.96	18	0.46	- 2.50	1.34	1.87	0.29	1883
Nevada.								
Carson City	0.30	17	0.05	- 0.25	1.01	1.89	0.00	*
New Hampshire.								
Hanover	2.88	23	3.56	+ 0.68	6.46	1.88	0.27	1884
New Mexico.								
Fort Wingate	1.24	22	1.13	- 0.11	3.60	1.87	0.04	1892
New York.								
Cooperstown	3.37	23	5.55	+ 2.18	7.24	1.89	1.17	1871
Plattsburgh Barracks	2.58	23	2.79	+ 0.21	4.72	1.89	0.51	1887
North Carolina.								
Lenoir	4.44	23	3.66	- 0.78	9.00	1.89	0.40	1871
Oklahoma.								
Fort Reno	2.78	11	3.16	+ 0.38	5.13	1.87	1.17	1891, 1893
Fort Sill	2.71	23	3.45	+ 0.74	5.60	1.87	0.28	1879
Fort Supply	2.07	13	2.29	+ 0.22	4.23	1.87	0.20	1886
Oregon.								
Bandon	2.09	16	6.23	+ 4.14	6.23	1.89	0.00	1890
Pennsylvania.								
Dyberry	2.84	22	4.40	+ 1.56	6.49	1.88	1.04	1885
Grampian	3.25	17	7.08	+ 3.83	7.08	1.89	1.14	1885
Wellsboro.	3.21	15	5.85	+ 2.64	8.40	1.89	1.18	1892
South Carolina.								
Statesburg	3.44	13	6.70	+ 3.26	6.70	1.89	0.75	1887
South Dakota.								
Fort Sully	0.89	23	0.75	- 0.14	4.09	1.87	T.	1871, 1893
Texas.								
Austin	4.40	21	0.70	- 3.70	12.33	1.88	0.00	1872
Silver Falls	2.22	8	0.66	- 2.16	5.58	1.88	0.06	1894
Utah.								
Terrace	0.25	21	1.50	+ 1.25	1.61	1.88	0.00	*
Vermont.								
Strafford	3.38	21	3.70	+ 0.32	6.30	1.88	0.70	1884
Virginia.								
Dale Enterprise	4.20	14	5.96	+ 1.76	12.24	1.88	1.04	1885
Washington.								
Fort Townsend	1.22	19	1.81	+ 0.59	5.79	1.87	0.15	1890
West Virginia.								
Parkersburg	3.40	9	.....	.....	8.41	1.89	1.72	1891
Wisconsin.								
Madison	3.17	22	4.21	+ 1.04	8.17	1.88	0.38	1891</td

TABLE XI.—*Thunderstorms and auroras, September, 1894.*

States.	No. of stations.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	Total.
Alabama	52	T.									2	2	1	2	1		1	5												14	T.		
Arizona	46	T.	4	4	I														I	2			2		I					o A.	15 T.		
Arkansas	48	T.	2	2	4	5	I			I	5	4	I			I	2		3		I	I	4						38	T.			
California	316	T.																											I	1 T.			
Colorado	74	T.	2	4	I	4	I	3	8	7	3	1								I							7	2		44	A.		
Connecticut	23	T.									3		9				6	3		I										22	T.		
Delaware	5	T.									2						2	1									I		5	T.			
District of Columbia	4	T.								I							1					I	I						2	2	T.		
Florida	34	T.	3	4	10	7	7	I	2	4	3	5	6	4	3	9	8	8	9	9	4	2	2	4		3			117	T.			
Georgia	62	T.	I						I		I		2	3	2		2	3											15	A.			
Idaho	22	T.	I		I	I											I												4	T.			
Illinois	56	T.	10	12	8	3	10	6	II	8	I	4		6	6				I	2	7	12	5					113	T.				
Indiana	45	T.	I		2	2			3	3	2	I	I	2		2						2	1						22	T.			
Indian Territory	7	T.														2		I											2	2	T.		
Iowa	80	T.	6	6	3		14	I3	9	10						15	I	I	I	I	17	12	11					8	I	121	T.		
Kansas	78	T.	IO	II	9	7	II	4	4	4	8	2		I	7	I	9	I	2	5	4	13	5	2	I		3	2	17	A.			
Kentucky	36	T.	4	I	I				I	2	I				2	5	I	6											24	T.			
Louisiana	50	T.	9	5	I		I	2	6	6	6	8	8	10	9	7	3	5	4	I								91	T.				
Maine	18	T.					6			8									I	I	I							16	A.				
Maryland	32	T.		I	2	3	3	5	6	I	I				7	6	4											39	T.				
Massachusetts	82	T.								I	I4					I	6	6	1	2								31	T.				
Michigan	81	T.	I	I	3	5	2	4	9	10	12	6	I	I	I	2	3	2		I	10	2					3	5	A.				
Minnesota	64	T.	I		5	I	9	3	3	I				I	7			I	6	15	3					I	I	8	7	2			
Mississippi	52	T.	4	2	I			I	I	2	2	4	3	2	2	I	3	3									32	T.					
Missouri	98	T.	7	15	27	9	7	15	5	II	14	5		2	I	19	7	3	7	2	II	17	16	9			3	212	T.				
Montana	28	T.	2								2	I				I	I											5	T.				
Nebraska	76	T.	3	3	I		3	2	9	2	2				2	I	4		I	2	2						3	46	T.				
Nevada	37	T.			2										I	I	2	I	I	8								13	A.				
New Hampshire	27	T.		3			I			I3					I	I	2	I	I	8								31	T.				
New Jersey	60	T.		I				2	27	8	21		I		I	14	3	II		I		I	I	5			9	A.					
New Mexico	29	T.							I							I		I										I	4	A.			
New York	84	T.	I		I	5			II		19				2	3	I3	6	I		2	I	I					4	64	T.			
North Carolina	54	T.	9	I	2	2	I				2	7	I			5	I		8	2								43	T.				
North Dakota	33	T.	2		3		I		I			I	2															13	T.				
Ohio	131	T.	IO	5	I	I3	17	8	4	6	I	6	II	15	5	2	5	IO	I	2	16	12	3	2	5		51	T.					
Oklahoma	16	T.	2						2				I	7														9	A.				
Oregon	65	T.																										5	T.				
Pennsylvania	85	T.			3	2	8	33	18	21	I	5	6	6	23	2	12	3									I	144	T.				
Rhode Island	8	T.								I								I	I									5	T.				
South Carolina	45	T.	I		I	2		2	I	I		6	2				7	7	4								41	T.					
South Dakota	45	T.			5		4			I		2			I			I	I	I							20	T.					
Tennessee	39	T.	2	I			I		3	2	3	I			3	6	I			I	I						10	A.					
Texas	81	T.		I				2	3	7		I	2	2	2	2	3	I	7	2	I					41	T.						
Utah	39	T.		I	2	I																					4	A.					
Vermont	13	T.			4			I		6	I				I	I		3		I							18	T.					
Virginia	37	T.						2								2	5	I			I						11	T.					
Washington	47	T.			2										I			I		I	I						9	T.					
West Virginia	40	T.			I		I	I	I	I		I		I	7	2	4		I		I	I				20	T.						
Wisconsin	62	T.	10	2	2	6	6	3	4		I3	5	I		I	2	I	11	II	1	2	I	I	16		80	T.						
Wyoming	13	T.		I																							27	A.					
Sums	2,959	T. A.	61 0	77 0	98 2	73 10	91 I	76 0	106 I	181 I	I34 0	171 10	39 3	41 0	35 43	121 83	83 4	138 0	97 0	67 13	22 27	80 3	80 4	91 9	41 6	20 6	5 7	25 2	II 4	2110 243	T. A.		

TABLE XII.—Climatological data from the monthly reports of the State Weather Services, September, 1894.

State.	Station.	Temperature.			Precipitation.			Director.				
		Minimum.	Date.	Station.	Monthly ranges.	Station.	Amount.					
Mean departure.	Maximun.	Date.	Station.	Greateset.	Least.	Station.	Station.	Amount.	Station.	Amount.	Station.	
Alabama.....	+0.1 96 14	Tuscaloosa.....	○ 45	Newberg.....	26	Tuscumbia.....	○ 47	Citronelle.....	22	Healing Springs.....	—0.32 6.18	Union.....
Alaska.....	+0.1 109 *	Yuma f.....	25 * 28	Ieams Canyon.....	71	Dudleyville.....	32	Walnut Ranch.....	32	Show Low.....	0.75	F.P. Chaffee.
Arizona.....	+0.0 109	Corning.....	28	Greenville.....	70	Corning.....	38	Washaw.....	28	Low.....	0.86	Not yet organized.
Arkansas.....	+0.6 106	Volcano Springs.....	22	Greenville.....	70	Greenville.....	29	Eureka.....	40	Air. Can. Co. Dam; Blanchard Springs.	0.40	W. R. Burrows.
California.....	+0.1 116	N. Grosvenor Dale.....	13	Gunnison.....	16	Steamboat Spring.....	40	Springfield.....	52	F.H. Clarke.	0.00	F.H. Clarke.
Colorado.....	+0.8 97	Vernon.....	26	N. Grosvenor Dale.....	26	Hugo.....	40	Bridgeport.....	52	J. A. Battick.	0.00	J. A. Battick.
Connecticut.....	+2.3 90	Canton.....	10	Dover.....	25	New London.....	39	Newark.....	58	F.H. Brandenburg.	0.00	F.H. Brandenburg.
Delaware.....	+0.1 94	Seaford.....	10	Key West.....	41	Key West.....	41	Siebert.....	58	J. Warren Smith.	0.00	J. Warren Smith.
District of Columbia.....	+0.8 94	Kissimmee f.....	9	Gainesville f.....	59	Gainesville.....	18	N. Grosvenor Dale; Seaford.....	58	G. P. Cronk.	0.00	G. P. Cronk.
Florida.....	+0.8 100	Pavette.....	46	Clayton.....	20	Hugo.....	40	Springfield.....	52	See Maryland.	0.00	See Maryland.
Georgia.....	+1.0 101	Idaho.....	9	Clayton.....	15	N. Grosvenor Dale.....	54	Bridgeport.....	52	E. A. Demain.	0.00	E. A. Demain.
Illinois.....	+2.2 93	Greenville.....	1	Gunnison.....	16	Newark.....	41	Newark.....	58	Park Morill.	0.00	Park Morill.
Indiana.....	+3.0 98	Angola f.....	*	Clayton.....	34	Newark.....	41	Grosvenor Dale.....	58	J. H. Smith.	0.00	J. H. Smith.
Indian Territory.....	+0.8 100	Wimberao.....	31	Gunnison.....	26	Key West.....	18	Springfield.....	52	John Craig.	0.00	John Craig.
Iowa.....	+3.0 100	Angola f.....	*	Elkader.....	20	Key West.....	18	Grosvenor Dale.....	58	Prof. H. A. Huston.	0.00	Prof. H. A. Huston.
Kansas.....	+0.3 107	Englewood.....	26	Elkader.....	20	Key West.....	18	Grosvenor Dale.....	58	See Oklahoma.	0.00	See Oklahoma.
Kentucky.....	+2.1 98	Fords Ferry f.....	30 *	Elkader.....	20	Key West.....	18	Grosvenor Dale.....	58	J. R. Sage.	0.00	J. R. Sage.
Louisiana.....	+1.2 98	Minden f.....	*	Elkader.....	20	Key West.....	18	Grosvenor Dale.....	58	T. B. Jennings.	0.00	T. B. Jennings.
Maine.....	+1.2 90	Orono.....	*	Elkader.....	20	Key West.....	18	Grosvenor Dale.....	58	Frank Burke.	0.00	Frank Burke.
Maryland.....	+2.3 99	Charlotte Hall.....	10	Elkader.....	20	Key West.....	18	Grosvenor Dale.....	58	R. E. Kerhan.	0.00	R. E. Kerhan.
Massachusetts.....	+2.6 92	Concord f.....	31	Elkader.....	20	Key West.....	18	Grosvenor Dale.....	58	J. Warren Smith.	0.00	J. Warren Smith.
Michigan.....	+1.9 92 2	Berlin.....	25	Elkader.....	20	Key West.....	18	Grosvenor Dale.....	58	G. P. Cronk.	0.00	G. P. Cronk.
Minnesota.....	+3.9 100	St. Vincent f.....	12	Elkader.....	20	Key West.....	18	Grosvenor Dale.....	58	J. M. Sherrill.	0.00	J. M. Sherrill.
Mississippi.....	+0.9 96	Waynesboro.....	43	Elkader.....	20	Key West.....	18	Grosvenor Dale.....	58	A. E. Hackett.	0.00	A. E. Hackett.
Missouri.....	+0.7 101	Darksville.....	8	Elmira.....	34	Elmira.....	41	Elmira.....	41	J. W. Kipp.	0.00	J. W. Kipp.
Montana.....	+0.7 93	Glendive.....	12	Elmira.....	34	Elmira.....	41	Elmira.....	41	Wallace.	0.00	Wallace.
Nebraska.....	+1.4 90 6	Chadron.....	25	Elmira.....	34	Elmira.....	41	Elmira.....	41	Birmingham.	0.00	Birmingham.
Nevada.....	+3.0 96	Paradise Valley f.....	12	Elmira.....	34	Elmira.....	41	Elmira.....	41	E. A. Evans.	0.00	E. A. Evans.
New Hampshire.....	+1.6 92 5	Millville f.....	23	Elmira.....	34	Elmira.....	41	Elmira.....	41	F. C. W. Sweeney.	0.00	F. C. W. Sweeney.
New Jersey.....	+3.8 97	Rowell.....	10	Elmira.....	34	Elmira.....	41	Elmira.....	41	J. C. Friend.	0.00	J. C. Friend.
New Mexico.....	+0.0 94 22	Middleton.....	20	Elmira.....	34	Elmira.....	41	Elmira.....	41	J. Warren Smith.	0.00	J. Warren Smith.
New York.....	+3.7 98 9	Auburn.....	23	Elmira.....	34	Elmira.....	41	Elmira.....	41	H. B. Battle.	0.00	H. B. Battle.
North Carolina.....	+2.0 100 9	Gallatin.....	1	Elmira.....	34	Elmira.....	41	Elmira.....	41	B. H. Broson.	0.00	B. H. Broson.
North Dakota.....	+3.0 104	Fort Robinson.....	23	Elmira.....	34	Elmira.....	41	Elmira.....	41	Ellendale.	0.00	Ellendale.
Ohio.....	+3.3 103 7	Warsaw.....	27	Elmira.....	34	Elmira.....	41	Elmira.....	41	Athens.	0.00	Athens.
Oklahoma.....	+1.0 109 7	Anadarko.....	35	Elmira.....	34	Elmira.....	41	Elmira.....	41	H. B. Hersey.	0.00	H. B. Hersey.
Oregon.....	+0.0 98 9	Grand Pass f.....	30	Elmira.....	34	Elmira.....	41	Elmira.....	41	W. P. Tatman.	0.00	W. P. Tatman.
Pennsylvania.....	+1.5 98 7	Uniontown.....	10	Elmira.....	34	Elmira.....	41	Elmira.....	41	J. Warren Smith.	0.00	J. Warren Smith.
Texas.....	+0.6 108 6	Pawtucket.....	24	Elmira.....	34	Elmira.....	41	Elmira.....	41	L. N. Bonham.	0.00	L. N. Bonham.
Rhode Island.....	+2.8 98 9	Glendale.....	13	Elmira.....	34	Elmira.....	41	Elmira.....	41	J. W. Bauer.	0.00	J. W. Bauer.
South Carolina.....	+1.4 100 11	Shaws Fork.....	52	Elmira.....	34	Elmira.....	41	Elmira.....	41	S. W. Glenn.	0.00	S. W. Glenn.
South Dakota.....	+3.6 108 11	Oericks.....	16	Elmira.....	34	Elmira.....	41	Elmira.....	41	H. H. Hayes.	0.00	H. H. Hayes.
Tennessee.....	+1.5 98 10	Arington f.....	18	Elmira.....	34	Elmira.....	41	Elmira.....	41	Central Highmore.	0.00	Central Highmore.
Virginia.....	+2.2 100 6	Midland.....	10	Elmira.....	34	Elmira.....	41	Elmira.....	41	Umatilla.	0.00	Umatilla.
Utah	+3.0 102 4	Glendale.....	13	Elmira.....	34	Elmira.....	41	Elmira.....	41	Clinton.	0.00	Clinton.
Ohio.....	+3.3 103 7	Levering.....	27	Elmira.....	34	Elmira.....	41	Elmira.....	41	Silver Falls.	0.00	Silver Falls.
Oklahoma.....	+1.0 109 7	Pond Creek.....	35	Elmira.....	34	Elmira.....	41	Elmira.....	41	St. George.	0.00	St. George.
Oregon.....	+0.0 100 9	Burns.....	10	Elmira.....	34	Elmira.....	41	Elmira.....	41	Conwall.	0.00	Conwall.
Pennsylvania.....	+1.5 98 7	Shinglehouse.....	24	Elmira.....	34	Elmira.....	41	Elmira.....	41	Wytheville.	0.00	Wytheville.
Texas.....	+0.6 108 6	Kingston f.....	39	Elmira.....	34	Elmira.....	41	Elmira.....	41	Fort Simcoe.	0.00	Fort Simcoe.
Rhode Island.....	+2.8 98 9	Loa.....	13	Elmira.....	34	Elmira.....	41	Elmira.....	41	H. F. A. Alcott.	0.00	H. F. A. Alcott.
South Carolina.....	+1.4 100 11	Greenville.....	52	Elmira.....	34	Elmira.....	41	Elmira.....	41	H. W. Richardson.	0.00	H. W. Richardson.
South Dakota.....	+3.6 108 11	Brownings.....	18	Elmira.....	34	Elmira.....	41	Elmira.....	41	G. N. Salisbury.	0.00	G. N. Salisbury.
Tennessee.....	+2.2 100 6	Hartley.....	36	Elmira.....	34	Elmira.....	41	Elmira.....	41	J. W. Bauer.	0.00	J. W. Bauer.
Virginia.....	+2.5 98 9	Loa.....	13	Elmira.....	34	Elmira.....	41	Elmira.....	41	Dr. E. A. Craigill.	0.00	Dr. E. A. Craigill.
Washington.....	+2.5 98 9	Hot Springs f.....	35	Elmira.....	34	Elmira.....	41	Elmira.....	41	T. T. T. T. T.	0.00	T. T. T. T.
West Virginia.....	+2.5 98 9	Hunters f.....	26	Elmira.....	34	Elmira.....	41	Elmira.....	41	New Martinsville.	0.00	New Martinsville.
Wisconsin.....	+2.0 98 1	Davis.....	31	Elmira.....	34	Elmira.....	41	Elmira.....	41	Madison.	0.00	Madison.
Wyoming.....	+5.0 98 1	Meadow Valley.....	15	Elmira.....	34	Elmira.....	41	Elmira.....	41	Beloit.	0.00	Beloit.
		Lashage.....	10	Elmira.....	34	Elmira.....	41	Elmira.....	41	Lincoln.	0.00	Lincoln.
		Fort Yellowstone.....	10	Elmira.....	34	Elmira.....	41	Elmira.....	41	Lusk.	0.00	Lusk.
		Fort Lellowstone.....	10	Elmira.....	34	Elmira.....	41	Elmira.....	41	Port Lellowstone.	0.00	Port Lellowstone.

† At other points in the State.

* Two or more days.